





LAF/L-X

Bob Peisma Coosineo  
10/24 '92-'93 II

Pine - Oak Swamp on Rd to  
Jute Park  
50% oak - 50% Pine

25, 9 9 OT 6 (change - 9)

TV 63 in red fruited logan

OT 6 8

S.T. Red.

9 B. oriole

9 M.

8 Summer Tanager

San Mateo  
Saw 4-5 TW + 1 BTU

in Red fruited logan

large fruit 2-3" opened  
by other birds eaten by Lark.



Sup SAC 1/8

DL

Hornoptera 3 y1 ds  
" " " "

3x6 11

4x15 1

Diptera 4 y1/wh to

2x5 1

" 2 rd "

1x3 11

homop 3 rd/wh up

3x12 1

Lep larvae 8 y1 to

3x6 11 11

" 9 y1 to

2x6 11  
1x6 11

homop 3 rd/wh up

6x16 11 11

4x7 1

3x8 11

5 m

8R 3x6 1

homop 2 y1 to

6x16 1

Diptera 4 gr bp

3x5 11 11

spider 2 or to

5x13 1

2x5 11

y1 "

2x6 11

1x3 11

homop 2 y1 bp

3x6 11 11

3x12 1

5x9 1

5x15 1

4x10 1

1.2 m

Runway 1

Thick Rec - light drizzle

1/17/93 MPO

823-1138 breezy  
sunny breezy

emher

on back 0.4

12L

5/12 ep

" h 2.3

10L

3 bags w ad 3.3 20R 7/12 bla

3 " ad 5.2

2 Baggie h50 8

20

1 b5t 0 13

Wawa shr 1/2

From shr 1/2

2 Sari 0 14 5.2 12R

2 SCWO 0 14

Wawa shr 1/2

Stre 0 7/20

Grpe 0 9

2 hewa P 13/26

gwa o - no - yellow below check green back

gwa 0 14/20

Peeu h P 19/20

btgnw ♀ P 15/26

ccwa O 15/20

phen ♂ 3♀ P 25/26 mistletoe

Towa RZ 5.2 10L 8/16

Manca h 4.8 7L

mywa 6.7 SR 1/2 shr

ubwaw h 6.4 4R 0.5/2 "

Btgnw h 7.5 15L

bhen h 7.7 15R

wawa h 9.8 10L shr

3 mywa h 8.4 7R "

2 Btgnw h 10.3 13R 17/18 O

Pbw s 11.2 10L 8/20 blk

agwa h " 15L shr

ech hum s 11.4 SR

SCSO s 11.7 8R 7/8 blk

btgnw h 12.6 17L 15/87 blk

hagl - call note like a peep of  
spring peep - 3 chick

wawa h 16.1 18L shr 1/2

~~btgnw~~ h 17.2 17R shr 13/20

wawa 17.5 6R 1/2 shr

btgnw h 17.4 13L 14/22 bak

ech hum ♂ 17.7 8L 2 1/2 yell flow

mywa h 18.1 14R shr

" .5 11R "

3 cbta .4 15L 7/9 Oak

wawa s " 10L shr

bhen ♀ " 18L 8/17 P

Sav h .7 8L

3 bhen 19.5 6R

hagl h .7 10L 10/17

wawa h .9 9L 1/2 shr

2 btgnw adh .8 12L 11/12 blk

2 btgnw h .8 20L

vitr .9 19L 9/15 blk

Flame-colored Tan after harvest



Bygn = M

~~btgn~~

~~clat~~

714-988 SAE 1/18/93 Foggy, ~~et~~ →  
Sunny clear

Mama ♀ 0.1 1L 3/6 ONC

Wawa h 0.5 10L 1/5 shr

rthm Ks 0.3 1R 2/3 "

wawa h 0.7 15R shr

nywa h 0.7 12L shr

Yoffl s 0.3 17R 3/7 ble

sthu o 0.8 18R 7/7 ble

~~mama h 1.5 5R~~

lefl h 1.2 3R 3/4 shr

yloca 1.3 8R 2/4 "

sbpe " 18R shr

2bbwr 1.6 4L 2/4 shr

4/8 gsa 1.6 8R 3/4 "

nywa h 1.9 5R 1/4 "

meklesh 2.5 ~~1.8~~ 20R 4/5 sh

shwr h 2.6 18R 1/4 "

wawa h 3.5 2R 2/4 "

hawn h 3.6 15L 1/3 "

bawa h 3.2 13L 1/3

nywa h .5 8L 1/4

mama ♀ .6 8R 3/3

gosp s 4.3 1R 1/3

? belt fly " 8R 1/4

mama o " 3R 3/3

plawr " 5R 1/4

mama s .4 13L 3/4

rasp s .3 9R 2/3

wawa h 5.6 20L 2/3

mama h 6.1 15L 2/3

nywa h .9 4R 1/4

mama ✓ .8 1L 2/3

" ♀ " 7L "



2 wags h	8	19L	
left s	7.2	1R	1/4
begin f s	"	2R	3/4
mywa h	.5	6L	1/4
mebl h	.9	18R	3/3
mywah	8.1	9L	1/3
mtgs h	.2	11L	"
plur h	10.3	20R	
mywa h	<del>11.2</del> 12.2	3L	1/2

Are birds moving? No hay was  
on at anzo tempo.

begin h	<del>11.6</del> 12.6	18R	sh 2/3
plur h	11.8	9 11R	1/3
S/sh o	<del>11.3</del> 11.6	1R	2/2
mywa f	12.4	9 3R	1/3
fram o	8.2	17R	3/3 (4)

mywa s	13.6 <del>15.2</del>	4R	0.5/2
mana f	13.8	9L	0.5/3
over h	15.5	2L	1/4
manao	"	"	"
begin s	.8	7R	3/3
ybeh L	16.2	7R	2/2
left s	17.2	6R	4/5
other h	16.9	12R	2/2
ghap h	17.5	13R	
mywah	.8	5R	
<del>mywa</del> f s	.6	10L	3/3
phos h	.9	9R	1/4
left s	18.9	2R	3/4
mywa h	19.8	7L	2/4
2 r g do s	.7	15L	3/3
mana dr	.9	8R	1/3
left h	.8	13L	1/3
mywah	.9	16R	1/2



1/19/93 Cof Cloudy cool 7/2-1030

gsPhc 0.0 1R 14/14 ble

" 0.7 1L 15/16 ble

gchl " 19R 16/17 "

mana 9 1R 9/6 ble

lfl s 9 0.0 2fl

wawa h 2.2 26R 2/3 sh

(y/btl frequently there far)

mana h 1.9 15L 3/6 ble

spot tail wavy 2.1 1R 9nd

-tummy collar, smaller than parrakeet

begin h 2.3 15L 10/14 ble

2 rstat > 3.3 9L

gwa

mana 3.2 3L 9/13 ble

3 Inbu d, mo, f " 3R 8/13 "

annexed 8.1 5R 3/8 ble

obfl s .2 8R 3/7 "

btgrs .3 10R 5/9 "

over h .6 10R

nsp s .6 6R 2/2 sh

plur h .5 14R

wase s .3 7R 2/2 sh

begin h .5 7L

mana h .7 13R

mgwa s .8 6L 1/2 cof

gchl h .9 9L 13/13 ble

fine parrots " " "

mgwa h 9.5 3L 1/2 cof

wawa h .7 1L 15/20 ble

plur .9 3L 9nd

gbsps 10.5 1L 1/2 cof

sutah .8 18R 14/20

mana h 11.5 9R 2/2 cof



lefl s .8 8L 1/20  
 3 r bpi .7 12R 19/20 ble

wawa ad 12.8 2L 7/10 ONC  
 wawa ad ~ " ~ "

kawa h 13.2 2R 10f

gope h 13.3 20L

lefl h .7 8L 2

2 Plannulated Ph? 14.3 10R 10/15 bl

2 be s s b m chae 13.8 8L 10/17

3 g s f l s 15.1 10L 17/21 bl

wawa h 15.3 6R 1/2 sh

wawa h .2 13L 5/15 bl

b s g w 0.7 14R 7/13 bl

~~st~~ stre s 17.1 8R 9/14 bl

yoff 18.9 6R 13/15 bl

sori ~ ~

wawa ~ ~

lobf l 18.4 5L 15/17

roha 18.5 20L

B s g w h 19.7 10R. 8L

shub layer dense in majority of transect

1/25 MPE Cloudy, cool, leafy 735

wawa h 19.5 20R 1130

b s g w h .7 " 915-1015 p p d -> rain

s s f g h 17.5 17L

spread right str 17.8 2L 8/30

b s g w h .4 10R 17L

s l s o s 15.5 12 9/10 bl

s s f g h 14.9 10R 7/32

2 amto 15.4 11L 28/28 15+

A h j a h 14.5 18R

st r e s 6

2 w a h 12.5 3R 1/40

2 w a h 35

st r e s 15 15/15

6 ch a 10



Stkg 10  
 dull h  
 sparrow 7.5  
 son 2  
 wawa h 11.8 15R  
 NOOT (ball? check call 8.9 <sup>20/22</sup> 12L  
 wawa h 3.1 19L  
 2 chta h " "  
 spnt s 7.4 10L 0.5/10  
 wawa h 4  
 waga ♂ 25  
 napaula? red thor <sup>25</sup>  
 Stkg 10  
 waga h 9  
 son h 9  
 wawa ♂ 15  
 5 chta 10

6.1 7L  
 /33

waga ♂ 3.2 7R <sup>28/29</sup>  
 3 chta h " "  
 Stkg h 2.8 10R  
 waga h 1.7 20R  
 waga s 0.9 15R <sup>4/10</sup>  
 waga s 0.7 20R <sup>9/4/29</sup>  
 [white naped Bush Finch]  
 waga MPO 1210 -  
 waga remex rd  
 son  
 Stkg  
 waga  
 2 spaw  
 Stkg  
 waga  
 waga  
 waga  
 waga  
 3 chta



El Norte

710  
1020

breezy

12/7/92 GPO Cold Clouds following  
all day rain  
~~Oct 25 cool, overcast~~

2 Botta 19.7 14L 12/20 fir

Anne ♀ .7 8R 5/9 Aca

Anna ♂ .6 1L 3/4 shr

Yana h .3 2L 18/20 shr

rthm s 18.9 2L 25/9 shr

hefl s " " 3/4 "

Coye h .5 20L

howa b ♂ .5 13L bunch

rowe h .13 15L

mawa ♀ .5 1L 5/2 dry

btgn ♂ " " " "

btgn h " " " "

mawa ♂ .6 17L 05/1 shr

2 Grows .5 18L 9/20 fir

Yana ♂ ad 17.9 16L 7/14 fir

Yana s .4 13L 7/11 dry

anne ♀ .4 7L " "

hefl s .5 18L 9/17 fir

GPO veg sample - % cover / h.a.  
- dominant over trees sp/ta

Claudia check nets

mawa ♂ .3 3L 3/9 ble

" h 16.3 3L 4/7 vrm

mawa ♂ .3 " " "

y bch s " 11L " eating fruit

anne ♀ " " "

rthm s 15.8 18L 2/4 shr

ozor ♂ .5 4L 11/11 inga with

y bch .4 17L 8

Sota im ♂ .4 3L 9/9 ble

anne ♀ .3 9L 4/8 inga

mawa ♂ .2 8L 7/10 ing

btgn ♂ .1 6L 7/10 "

mawa 14.8 18L f

mawa ♂ " 9L 9/12 "

mawa ♂ .6 6L 3/9 ble

btgn ♂ .6 " " "

hefl .7 8L 8/10 "

depl " 16L 6/10 inga

anne ♂ ad .6 18L 4/10 ble

Species	Count	Weight (g)	Notes
kygn	.5	202	4/10 ble
kuua ♀	"	"	2/10 "
mana ♂	"	"	4/10 "
wevi	"	"	" "
sq. cuckoo ♂	2	74	7/10 ble
kuua	139	7L	
kyge	6	7L	
anne ♀	.4	102	1/2 wil
2 mana ♀ ♂	13.3	11L	7/12 ble
suban h	14.7	16L	
mana h	<del>13.5</del> <sup>14.7</sup>	17L	
trpe! s, h	.6	18L	9/13 ble
2 call			like a trbi
2 melb h	.2	6L	
vbsp h	.3	1L	
<del>rub. th</del> rub. th	.2	1L	pur fl
2 melb h	.8	4L	
kyge	.8	3L	
mana h	.7	15L	

Species	Weight (kg)	Length (cm)	Sex	Date	Notes
rtat h	12.1	20L	2/10	shr	
bygn h	11.7	16L			
btgn oad	"	8L	8/11	fig	
buna h	.9	20L			
yoff s	.7	16L	9/11	fig	
btgn h	12.2	17L			
yena oad	11.3	5L	8/13	fig	
rusp	.4	3R	4/5	ble	
btgn oad	10.7	6L	9/12	fig	
wuna oad	.34	7L	8/12	fig	
lefl s	9.5	4L	4/13	vis	
lefl	.2	6L	2/13	vis	
wuna oad	7.8	"	"	"	
buna h	.6	10L	"	"	
2 coy	.4	12L	"	shr	
wuna oad	7.7	8L	"	fig	
yena h	.1	4L	12/19	fig	
wuna oad	6.7	6L	5/10	vis	



kurua ♀	6.7	6L	4/10 inga
cepeo ♂	"	8L	1/4 in
urua II	.4	0.0	4/10 h
manao ♂	.2	1L	4/10 "
rusp s	6.2	BR	3/3 shr
anne ♀	5.8	7R	7/10 h
chased by			
yewa ♂	"	"	"
left	"	"	"
chased by			
cepe h	"	10L	
manua ♀	"		
urua ♂	.1	2L	4/10 h
bygn h	5.8	7L	bl.
manua ♂	.9	8L	inger
ruswall	.5	10L	stream
yewa ♀	"	3R	7/15 h
anne ♂	"	42	4/7 Inga

kurua ♀	4.2	10L	2/9 ble
urua ♂	"	"	"
anne ♂	4.4	8L	
yten h	3.8	20L	
yewa h	"	8L	
kurua ♂	4.1	10L	7/14 ble
2 Nowa	3.8 4.2	10L	stream
Amk	4.5 2	8L	7/15 h
mana	3.8 2	12L	1/3 shr
urua s	2.5	16L	2/3 "
mana ♂	2.1	2R	3/12 ble
yewa h	1.8	3L	15/15 h
urua ♂	"	"	1
kurua ♂	"	"	3 1/10
bygn h	"	"	3
urua s	"	"	3
bygn h	1.9	15L	
manao ♂	1.1	14L	2/3 shr
" h	.3	"	"

wawa h 0.5 16L

WAC 1/22/93 <sup>breeze</sup> Cloudy, cool 659-1011

TK<sub>1</sub> h 19.6 4R 7/7

Soft h 19.8 18L

wawa ad .6 17R 2/3 sh

NSP s .7 8R 3/2

anne ♀ .7 3R 2/7

2 gssa s .7 2R 6/7

yewa ♀ .8 10L 7/7

ngwa h .6 2R 0.5/1.5 sh

mana o → .3 1R 2/7

" ♀ .2 19R 7/7

2 orot ♀ .3 14R 7/7

lope h .2 16R 0.5/1.5 sh

left h .6 11L

gca h .7 16L

wfys h .3 17R 0.5/3 sh

ybeh h .5 18L

plws h 18.8 17L

left h .6 9R 3/8

" h " 19L "

hwa o → " " 1/2 lency post

ngwa h 17.8 3R 5

" 18.5 17R 5

hwa o → 17.5 1R 3/8

anne " " .4 2R 6/8

baat o → .5 11R 3/8

ybeh s .3 1L 8

case ♀ .4 9L 8

ngwa .1 12R 5

yewa h .7 12L 8/8

case o → .3 12R 0.5/1.5

" h 16.8 9L

ybeh .5 10R 1/3 s

left s 15.7 13L 4/7



they do manage acacias  
 - they continually allow the  
 woodland to expand if much  
 cutting has been done

growth rate  $\approx 2$  m/year

7m tall 35 years

1/2 m, fenceposts - last long

"CACHIST" - "espinas"

management depends on ganaderos

wishes  
 woodlots

unimproved by ganaderos

they cut when 6-7 m tall

Coye h 15.3 15R 1/35

Wagwa f .2 17L 5/7

Wagwa f .2 " "

Wagwa h 14.9 14R 0.5/25

Wagwa h .8 8R 0.5/1

2 Wawa o  $\rightarrow$  .8 20R 4/6

Ybck s .7 12R 1/55

Wawa h .2 17R

plum h 14.1 20L 5

Coye 13.5 7R 0.5/1

Wawa f .2 7R 3/7

Wagwa h .3 17L 2/7

Wawa s .1 20L 4/8

Wagwa s .3 17L 4/7

Wagwa s 12.7 5L 1/8

Wawa f 13.2 10L 6/7

2 Waga s 12.6 4L 6/7

plum h .8 15R

Suta h .3 10R

Wawa o  $\rightarrow$  .5 16L 4/7

Wagwa s .5 17L 0.5/1.5

W h .3 8R " "

Wagwa .5 9R 6/8

[crested caracara]

Wawa o  $\rightarrow$  .5 8R 4/7

Wawa .5 10R 5/7

chase

2 kuma ♀, im	.6	9R $\frac{4}{7}$
2 rat ♀	"	<del>5R</del> $\frac{1}{5}$
batu ♂	.5	8R $\frac{6}{7}$
gab s	.3	8R $\frac{3}{7}$
lepl s	11.7	20L $\frac{5}{7}$
gwa s	10.9	2R $\frac{7}{8}$
mama ♂	.9	17R $\frac{7}{8}$
anne h	11.3	5R $\frac{6}{8}$
mama h	10.5	19L
" ♂	.3	15R $\frac{2}{7}$
" h	9.4	15R
2 brja s	8.6	18R $\frac{8}{8}$
megwa h	.1	10R
Bepl h	7.8	7R
megwa	8.4	18R $\frac{05}{15}$
anne ♀	7.2	19R $\frac{5}{8}$
mama ♂ im	"	8R $\frac{2}{7}$
stem ♂	"	2R $\frac{1}{15}$

VEG samp- distance to edge/4 u.

kuma ♀ im	8.9	3R $\frac{2}{7}$
2 kuma ♂	6.4	10R $\frac{8}{8}$
core mod	"	4L $\frac{0.07}{15}$
unwa ♂ ad	"	"
lepl h	6.4	20R
batu ♂ im	5.8	3R $\frac{8}{8}$
mama	5.8	6R "
mama (3rd)	5.8	7R $\frac{6}{7}$
batu s	5.8	" "
over s	<del>6.5</del> 5.5	2L $\frac{4}{8}$
- high thin + sweet ~ nawa		
gwa s	4.8	15R $\frac{5}{6}$
weat s	4.8	13R $\frac{3}{4}$ sh
megwa h	4.4	17L $\frac{1}{2}$ s
mama h	4.5	15L
2 brja h	3.6	18R $\frac{8}{9}$
mama h	3.5	5L $\frac{5}{8}$
megwa h	.3	19R s



gush 2.7 20R  
 2 A 1 + .05 18 13R 7/8  
 -muffled big a  
 mibl h .7 18R 6/9  
 gash .6 20L 5  
 pluz h 0.5 8R 1/2  
 cape h .3 8R 1/2  
 ybrch .4 18R 1/2  
 sofl s .2 1R 3/3000

mxd flock 1/21/93 Beauty Day!

750-810 5/21/93 4380

3 Biga 2 ad, 1 P FS 10m  
 3 Haka 2 imo, 1 P FT 20  
 wawa h s P/O/O/Hen  
 Bggw ble H. 1/17/6  
 Sovi Sh 70 70 / 100 / 100  
 wawa o ble  
 buor f u  
 2 b h s: P  
 legs 1 P

(90)

843-900

3 bagwa ad P, 1 imo <sup>white throat</sup> head tot. green + back also  
 2 Hewa ad P FT 20

wawa s FS = 20

rusp s 5/21/93 4415

Sovi P/O/O/H

ruth o s 65 20 15

hawa f P 18 8

hawa P (91)

gash s FT 20

g20 FS = 10 (92)

wawa s Sovi O O/P

3 bagw 1 ad O cawa O 90 10

wawa s Sura o ad s 14, 18

gash O wawa h elev

tufl bggw 1 4470

acwv stretch 3 b b w

slate gray upper; white breast; gray eye line  
 wavi slate

Pt Count Area - "Orangutan"

7414

Ac woodland 7

(96)

3. ~~big~~ 1/8 2 head 1 ♀ (H/H)

Wawa 1 (H)

Wawa 1/8 ♀ 2/3 S ♂ 1

Kawa 1 (H) 1

Sovi 1 5/8

#Tr 52

Tr H 8m

Understory - grazed shr Shr lt 2m

DE 25m

235-245

FS 3 RT 10

2 big

Dark - 7m, dense ord.

2 wawa

Elev 4300

Sovi

(93)

857 407

Wawa ♀ 0

FS 10 FT 5

big 1/8 ♀ 0

0/1/2/P

big 1/8 ble

85 10 5

2 wawa ble

14 6 18

Shw 5 S

Elev 4300

Kawa S

(94)

924

FT 20

2 big 20 5, p

FS 15

1 wawa ♀ 0, 0

0 P 04

4 blsi P

50 45 5

2 sovi S

8 17

wawa S

Elev 4275

2 big 0

ash 1/8 S

2 wawa 10 0

ye fl S

ste 0



1000

(96)

2 btgms  $\rightarrow$  P, 1 imo  $\rightarrow$  O 1 ♀ S  
 1/2 Hens  $\rightarrow$  P 1 ♀

brwa P

3 savi P P/O / Oth

bbs P 90 5 5

diel P 18 8

kuwa ♀ ad P 4250

wehu P PT: 20

grepe P PS: 15

uwa S

he tao  $\rightarrow$  P

stre h

rbps S

4 bhsir P

2 goja P

1035

PT 15

kuwa P ad O

PS 15

uwa  $\rightarrow$  P ad O

4200

grepe P

O/P / Oth

diel

35 35 10

bbs  $\rightarrow$  P

7m 17

uwa S

uwa  $\rightarrow$  S

(97)

spout S

se O

MILPA 2/1/93 Foggy, Cold 705-900

Mel S 1.8 18L 1/1 can 'Foggy'

" " 2.4 15L " "

gtgrachle 4.8 17R " "

rbps S 9.7 20R " "

bblg L 10.8 15L " "

Swiss S 11.6 12L 9.5

utfl S 11.2 17L 2.5

bblg S  $\rightarrow$  " " "

coyo ♀	12.8	10L	0.5/ qrs
lofl s	15.5	2R	0.7 acc
gtgr s	"	20L	2/8 blk
yewa ♀	"	10L	5/10 "

[Western Tanager ♂ or SUTA]

Sunny  
clear  
10/17

PSA 2/2/93	Foggy	Cold	7:10-10:17
Bayer ♀	16/19 P	2.2	10R
Bayer Q	8/12 O	3	17/9R
lofl P	15/19 P	"	10R
3 Hewo s	2.7	13R	P
88: Qu	.8	9R	Grns
Growd	.8	10/9R	10/11 O
Bayer ♂	.8	8R	12/14 P
BuDr imo	"	"	7/8 O
EaH ♂ & ♀	3.2	17R	4/9 O
lofl s	3.8	8R	3/4 s

manu ♂	3.3	8R	2/3 S
lisp s	"	"	"
bayer ♀	3.9	6L	6/7 O
2 Bayer	3.6	7R	9/20 P
Hewo s	5.1	17L	9/17 P
rbaz s	5.8	8L	1/15 u-fl
Bayer ♂	6.1	1R	8/12 O
depl s	6.3	5L	9/13 O
manu ♂	.7	6L	1/3 S p.p
" h	8.8	18L	O
EaH 20/28	10.2	18R	gnd
L or thopt 45 mm			
bayer ♀	10.8	9R	17/19 P
Hewo s	"	"	13/19 "
2 " s	11.4	8L	16/16 P
bayer imo	7.6	19R	5/6 blk (acc)
manu ♂	"	"	"
lisp ♀	19.3	8L	9/10 P
Ytaca ♂	19.4	3L	9/12 P



Sunny, cool, breezy

2/3/93 LPO

717 1030

Muzak h 0.7 20L 0.5/1.5

Grow h 0.6 10L 11/15P

3 Rusp h 0.7 19L 0.5/2.5

btgus h 0.8 2R

" o s 1.3 1R

Amure f

ilepl s

3/12 0

boggn

boggn s 0.7 17R 10/30

graca h 0.9 20R

roha s 3.4 14L 9/100

ingwa h 4.4 8L S

boggn h 4.7 24 3/100

WWD h 5.7 7R

Gowd s 9 2R

Mamap h 6.5 15R

graca h 6.8 20R

2 qaca s

7.6

2L 0.5/1.5

ltwch

8.6

10R

Sour h

5

13R

nawa sh

7.3

8L 10 1/2

Cell h

7.8

8L

plur h

7.4

18L

bawa f

8.3

12R 6/2 C

wawa s

5R S

sour s

3

5L 2/3 S

ob h s

5

" 2/4 S

btgus >

7

9R 9/13 P

ingwa h

10.2

16L S

(sour h s

9

8L 1/2 h R

nawa sh

10.2

17L 5/2 C

10w O 2/10

10.2

8R

10f h

10.4

18R

btgus O 2/8

wend P 2/13

gouwa imo <sup>2</sup>	10.3	6L	6/7D
gouwa h	.3	20R	
manuch	11.3	17L	
3Zitak's	.7	BR	1/2s
plow h	.8	9L	
men h	.9	12R	s
baggo h	.9	31	
lefl h	.8	12L	
unhu s	12.6	2R	s
unhu <sup>2</sup>	13.1	16R	2 1/2 s
unhu h	.5	15R	s
obfl s	.4	13R	4/20
baggo h	.3	18R	
manu <sup>2</sup>	14.7	8R	3 1/6 D
echu s	.5	2R	1/2s
baggo h	.9	15R	
unhu	15.3	10L	s
plow h	16.3	5L	s

unhu	16.3	3L	0.5/2s
unhu s	.8	1L	0.5/s
unhu <sup>2</sup>	.5	4L	2 1/2 ss
unhu <sup>2</sup>	19.6	3L	1/2s
sbu <sup>2</sup>	.9	15R	[GCFL]
<del>4</del> BOGS	14R		[2 YBFL]
2x51	4x61	dept y/	2 10
4x151	4x121	spid gr	5 10
5x9111	1x121	ham wh	3 10
3x411		3 spid gr	5 10
3x81		"	6 "
5x9		homop	" 5 "
8x221		spider	11/6/4 5
2x8111		dept y/	3 10
4x10111		homop rd	5 10
2x91111		spider	blk 3 5
5x151		homop y/	" 10
2x71		"	blk 2 "
1x41			

(12m)



9L

3x8 1/1

hornap 2 y/ 10

4x5 1/1

catap 2 bk 10

4x3 1/1

hornap 5 wh/ 10

4x9 1

apsera 3 gr up

3x15 1/1

spid 2 y/ 10

3x12 1/1/1

hornap 3 br 10

1x5 1

eculap 2 bk 10

2x7 1

2 hornap 2 " "

4x6 1

apsera 5 wh "

2x7 1

hornap 4 bk 10 up

3x6 1/1

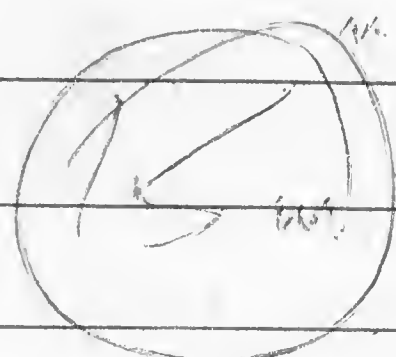
" " blo up

1x7 1

" wh "

4x7 0 1

1x5 1



load # Acc-pt ct. from Oracle,

ASA  
7-18 pt ct

2/4/48 beyond house  
to South  
Trees 28

7-18

(97)

bogw 110m

1 Pine

mawa(1) -> 1 ♂, ♀

4 Oaks

begin 1

Tr ht 5.5

Soft (1)

DE = 25

other north  
bushes

und: grass, 0.5m

bonnah

825

FS = 10

(98)

2 - wads

RT = 15

2 stre 0

O/P/other - dense  
shrubs

magw 5

50/10/40 - open

cat 0

10 17 2.5

2 Badf and 20

ECOV 40/0

plow 5

Acad P

bogw 0

854 - 910

(99)

2 qrsa 0

2 qrsa 0

mgasa s

ggsa 0

rbgs ac

phar s [col. trogon] 15 12 3

3 bhar 0

rbp s

manag s s

boggs ad

wbwa s

Gowd

hull inc. fol. glar. ? Charming  
or  
trogon

CCWA h

weta h

FT = 15

FS = 15

ELEV = 4050

0 / Ad Other

90 5 5

950

(100)

FT = 245

FS = 20

4 bhsi P

2 bhsia P, P

0 P

mgasa s

85 15

2 boggs 0

15 18

3 bhsia 0, bad

ELEV. 4215

Gowd

2 phar s [col. trogon]

2 bhsia s, P

ggsa P

note: large, isolated

del

contiguous patch

bhsia 0

2 bhsia 0

beta P 0

Smith 0

bhsia P

bhsia 0

vtr 0

manag

bhsia

1 bhsia P





(40)

831

(B)

Yewal ble

Can't 20

65% 70

ybch 1s (1)

catbird 1, (1) s

amre 1 pg

mana 10

r fast (1)

mebl 1

845

(4)

(41)

~~yellow~~  
~~small~~

1 fog

Can't 20

50% 70

spea 1

lbwa 1 lala

gbsp(1) s

btegn 1 A.C.

wath 1s

wawa 1s

mana 110 ac

welac 1sk

859

(B)

100% 90

roha 1 fog

Ch. 23

even 1

btegn (1)

(42)

mana 10 1 vm

ngwa 1s

ybch (1) 1 vm

gebl (1) eat blk berry

~~100%~~ 1 fog

ybl (1)

btegn (1)

920

(6)

(43)

wawa 1s

ybch 1s

mana 1 fog

yfau 1 fog

ybl fog 1 fog

btegn 1 fog

wawa 1s

Can't 23

2 amre 1 fog, 1

75% 90



936 (2)

Can LA-25

Core 0<sup>1</sup> 1 S

4570

2 yten 1 frog

unusual 1 unit

1049000 frog

sqca 1 frog

unlike 1 frog

gibberon 1

(44)

Finch-like Olive green wash in grey

Some light finch-like bill

light streaking black wings - 2 white

w. base

1298x

feeding on epiphyte

216 / 93

(103)

WYD FLOCKS Don Jorano, Noronja

unusual 815 RT 10

unusual 100 FS 20

unusual 1000 ELEV 4400

41000 2 in 100 0/P

unusual 100 90' 10

unusual 100 15' 20

2. chita 1000

over 100

850

(104)

unusual 1000 g/cra 100

2. chita 1000

unusual 1000 RT 20

unusual 1000 FS 25

unusual 1000 ELEV 4500

unusual 1000 100% 20 growth 8m

unusual 1000

unusual 1000

Unstart 100 100

(105)

1507  
wawa s  
sami h  
gape p  
~~hawa s~~  
2 bdaqui p ad  
Hawa f p  
1000 h  
hetao o  
caw s  
dell h

MPO 2/8/93 740 caw s, leaf  
Touwa o 19.9 191 18/26 p  
Hawa f " " " p  
Wawa h .5 20R s  
echu f 17.8 10L 15/5 s  
Oven s .7 12R 3/10  
" h 6 12L 1/5

2 bdaqui h p .1 15L 24/250  
wawa h 16.8 17L s  
plaw h 17.5 12R s  
Suso s 16.8 10R 4/160  
bdaqui h 17.2 13L 15/220  
wawa h 16.8 14R s  
wawa .2 13R 7/15  
Touwa s .7 20R 10/160  
bdaqui h 16.8 18R  
hawa o " " 13/150  
bdaqui s " "  
bawa f " "  
fda h 16.9 13L s  
huff h 17.1 17L  
swe h 17.3 " "  
wawa h 15.7 10L s  
wawa h " "  
Lh s f s 13.8 10.0



[Call Tree] - call like bird!  
- cf. most sp. flate

haff h. 1? - in bed  
15L

2 mura 5 1/2

btgw mura 5, 07, 07 ad 6 815

2 bhen 20

hura lek

2 haff 0 10

cewa 0 10

shre 0 5

bggn 0 9

amre 0 ad 12 7 11.5 12L

scv h

2 ~~scv~~ 8

hetao 6

ben 5

gema 7

hema 0 1

all oak

10

2 mura 5 1/2

gope 12

hema 0 ad 16

2 sfg 10

whin h 5 05/1

er flatb 10

~~h~~ gtrng 3

2 daan h 8 3 17L 1/2 5

2 mura h 1 7L

mura 7.9 3L

flur h 6.7 6L 05/1 5

whin 5 1.5 3L 05/1 5

mura h 2 12L 5

h 5.8 8L 5

h 3.8 13L 1/2 5

plur h 3.2 17L 05/1

hema 2.8 4L 5/6 1/2

EPO/492  
486 mfo

gtmg s 1.2 1L 1/199  
~~hach~~ 0.7 20R 13/130

~~(0 Tr + Hoff call)~~

brgs 1R

1x3 III 11111 Spider wh 43d

2x7 I 112 Diptera wh 3 d

3x9 II 2 Horvop y/ 1 d

2x9 III 2 Spid " 4 d

6x15 I 11 " 45 " "

3x7 I " 16 " "

4x12 III 20beop long br 6 d

5x9 II

4x10 I

2x5 I

3x5 I

5 m

SAC 2/9/93 Sunny clear cool 704-

wind s 19.8 14R 2 1/2 1020

xob/s .7 5L 2 1/3

wind h .5 6L 1 1/3

wind h 18.8 15R 2 1/3

wind h 19.1 19R s

rhine 18.8 7R 3/3

bagu s 5 13L 1/4

oven h 5 8R 0 5/3

wind h .3 10R "

wind h .2 18R s

gbsp h 17.8 9R 5 1/2

plur h - 20R

u l g s .7 9R s

back .7 18R s

yback h .4 18R s

grass 16.8 1R 2 1/3

wind h .6 3L 1/3



rt hwh	17.3	15R	3 1/2
plur h	11	3R	1/3
2 soft s	2	11R	4/4
green h	"	12R	1/3
white s	16.8	6R	"
green s	"	15R	"
green s	.5	8R	3/3
large m	17.1	4R	3/3
white s	16.6	7L	3/3
white s	15.2	13L	2/3
plur h <sup>creeping</sup>	15.7	15R	"
rt hwh	15.3	8R	1/2
plur h	15.4	8R	0 5/3
white h	14.9	7R	"
<del>plur h</del>	12	14L	"
white	14.3	5L	2/4
rt hwh	14.4	9R	"
plur s	14.3	2L	3/3

green s	14.3	10R	1/3
plur h	"	16L	"
white	"	13L	"
slsh s	13.9	10R	2/3 all
plur s	11	18R	1/3
white s	.8	6R	0 5/3
↳ direct of squabs + general notes			
white h	12.8	12L	2/3 one
green s	.9	10L	1/3
green s	11.8	7R	1/3
plur h	"	20R	one
green h	9.8	11L	2/3
plur h	.3	7L	2/4
plur h	.1	5R	1/3
plur h	.3	4L	0 5/3
white s	8.8	2R	1/3
slsh s	.5	6R	1/1 all
green h	.3	5R	1/3

ingwa s	77	13L	$2\frac{1}{2}$ 5
left h	8	16L	$\frac{3}{4}$
left h	17	15L	$2\frac{1}{4}$
manua h	60	10L	3
manua s	7.8	18L	$2\frac{1}{3}$
legum h	6.9	6L	$3\frac{1}{4}$ 1/2
left s	11	11R	$3\frac{1}{2}$
ingwah	8	11R	$0\frac{1}{2}$ 1
(c bps strong)			
manua h	8.7	4R	$2\frac{1}{3}$
left h	5	6L	3
ingwah	5.1	19R	3
left h	3.8	6L	$\frac{3}{4}$
(Jaws - esp bet. pt & 1-6)			
- leaf loss			
other s	5	34	$\frac{3}{2}$ 1/2
2 <del>other s</del>	8.5	7L	$\frac{3}{4}$
with h	6	17L	$1\frac{1}{2}$

left h	2.5	17L	
with s	3	2L	12L
3.7 m	7.8	9L	$3\frac{1}{2}$ 5
ingwah	2	10L	$\frac{1}{2}$
manua s	8	6L	$3\frac{1}{2}$ 5
manua	"	3R	$\frac{1}{2}$
"	1	7L	$\frac{1}{4}$
<hr/>			
ROGS	1R		
3x2 11	Howe	3	gr d
3x5 11	Howe	2	wh d
4x15 11	Howe	2	gr d
3x6 11	"	3	wh d
5x9 11	Howe	2	gr d
2x11	Howe	10	d
5x16 11	Howe	7	d
5x10 11	Spider	4	d
4x10 11	Howe	3	d
2x7 11			
3x6 11	Howe		



111

3x8 11/11

1x51

3x10 11/11

2x51

2x121

3x711

5x151

4x131

1x511

6x201

1x311

6x181

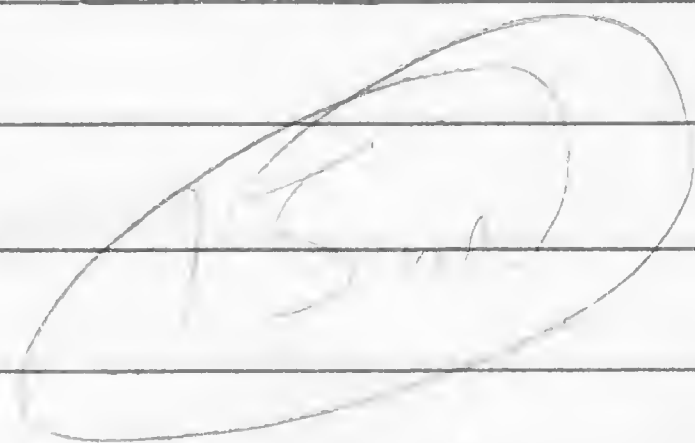
111 Dipe 2 m d

Remap 10 y d

Remap 3

Spider 4 q d

Colony 3 m d



Grouped

2/10/93 COF <sup>cont.</sup> Sunny 7:15 - 11:15

Alamogordo 19.9 17R 1/25 hls

Yab1 h .5 15R

Wingman h .6 19R s

Wingman h .5 5L 1/12 hls

[Low of <sup>19R</sup> Remap + R. Ta]

1 hls  
Sage h 19.9 13R

Other h 18.5 19L

Plum h 18.7 20L

Green h 19.2 8R

Joe S 18.4 17L 1/2 cof

Mesquite 17.8 18L 1/6 hls

Yab1 h .7 3L 2/15

Yab1 h .5 8R 2/13 hls

Stee S . 6R 2/2 cof

Sage S . 8R 7/15 hls

Mesquite 17.8 10R 6/12 cof

Yab1 h 16.6 2L 2/2 cof

Wingman h .5 11L cof

10 bush 16.3 15L  
 2 soft h 15.9 20R 1/25  
 1000 bush 14 15L  
 plum h 13 10R  
 1000000 1 13R  
 8 1/2 pa 15.9 20R 1/25  
 1000000 15.1 17L 1/25  
 1000000 14.9 10L 1/25  
 1000000 14.5 17R  
 1000000 1 17R  
 1000000 8 17L  
 1000000 3 17R  
 1000000 11.8 20L  
 1000000 7 7L  
 1000000 9 20L  
 1000000 7 7L

1000000 15.1 52 15/23 1/25  
 1000000 11.3 10L 1/25  
 1000000 1 17R 1/25  
 1000000 13.8 17L  
 1000000 4 9L 1/25  
 1000000 2 2L 1/25  
 1000000 12.7 6R  
 1000000 4 2R 1/25  
 1000000 12 20L  
 1000000 11.8 20R 1/25  
 1000000 4 19R 1/25  
 1000000 8 13R 1/25  
 1000000 10.8 9L 1/25  
 1000000 7 17L  
 1000000 11.8 17L  
 1000000 7 10L 1/25  
 1000000 9 17L



bagu	3	6R 3/4
yhu h	9.2	
<del>ueta</del> f	2	10R 4/5
buwa	7	
300 en 28 19	2.9	4L
2 shuwa	"	4R 10
roha h	.7	
Pdmo	"	8R
gawa h	"	16R
gawa h	"	15L
Smith h	"	20L
# naya	8	7L 7/8
sof	"	12R 1/2
bagu	"	13R
muwa	5	17L 7/8
trist	"	" 1/5
gawa	"	18L 1/2
gawa	"	7L 1/2

bagu	15	16L 3/4
muwa	7.6	7R 3/5 1/2
muwa	8	52 1/2
abfl	7	6R 3/5 1/2
(Live: 100% DIVERSITY!)		
muwa	12	17L
muwa	6.8	7R 2/3 1/2
muwa	3	12 3/4 1/2
2 gwa h	1	5R 13/12 1/2
muwa h	5.0	6R 4/5 1/2
muwa	3	" 1/2
sof h	2	3L 3/4
muwa	"	" 1/2
sof	"	5R 1/3 1/2
gawa h	4.8	6L 7/8 1/2
muwa 3/4		
5 muwa 3/4	6	7L
muwa 3/4		

1204 4.5 42%

1205 2 42%

1206 3 42%

1207 3.8 42%

1208 4 42%

1209 5 42%

1210 5 42%

(S) 1211 5 42%

1212 7.6 42%

1213 2 42%

1214 1.7 42%

1215 5 42%

1216 5 42%

1217 5 42%

1218 5 42%

1219 5 42%

1220 5 42%

Cell Padua 1204 42%

21043

14 Corners 1204 42%

1205 1 42%

1206 1 42%

1207 1 42%

1208 1 42%

1209 1 42%

1210 5 42%

1211 1 42%

1212 1 42%

1213 1 42%

1214 1 42%

1215 1 42%

1216 1 42%

1217 1 42%

1218 1 42%

1219 1 42%

1220 1 42%

1221 1 42%

1222 1 42%

1223 1 42%

1224 1 42%

152

210

153

1204 42%

1205 42%

1206 42%

1207 42%

1208 42%

1209 42%

1210 42%

1211 42%



(154)

905

cd 11

amue (1)

Chit 212

mebl (1)

Canht 15

phus (1)

Trsp 6

nguan 1

Trsp 16

nguan 1

Trsp 16

nguan 1

DE 25

124 loud stream

P 1/4

438

nguan

Longin Inga

amue 10

(153)

cuthead Inga 10

cd 1

100

DE 75

Canht 15

P 1/4

Trsp 6

100

100

UPDAE cof com  
n 10c on white comp  
ins veg  
n count

2/12/93 'Inga 1000 ft cts Camen  
734

yata Inga ?

cd h

rshu ble 1

Chit 3

bigu 1

Canht 10

2 soft lig 1

Trsp 6

manwa 313 cof, 1

Tr 12

rhgs rano lig

DE 40

2 mebl (11)

p.s. 25

bluw ble d.l. foray

ghuo (1)

bhen 1

wfcs 5 1

unwa cofa sh 1

amue & ble 1

(164)

753

mawa S 1

wawa cof 1, 1 cof

yten ble 1

mawa cof 1

bunwa 1

blew 1

mawa (1) brya

bogw 2

cd m

cha 3

Canht 15

#Tsp 26

#Tsp 26

DE 25

p.s. 2

(165)

819

mawa 0<sup>th</sup> ble

Sota (1)

bogw (1)

awa (1)

bhen (1)

webl (1)

cd m

cha 3

Canht 16

#Tsp 7

#Tsp 25

DE 100

p.s. 16

(166)

833

bogw 1

pbfl (1)

bogw 1 cot

weta 2

3 Tewa 11

mawa ble 1

bunat helio 1

chll helio 1

wawa cof 1

wotn (1)

amre 1

Sqcu (1)

bogw 10<sup>th</sup> ble

bhen 100<sup>th</sup> ble

2gfu ble

Sou (1)

cd = 1

cha 25

Canht 15

#Tsp 7

#Tsp 60

DE 175

p.s. 16

(167)

nectar, or feeding Tewa



852

cd m

Thgs 11/17 <sup>2 imo</sup> evot. eat Rwp

mebl (1)(1)

cha 3

sp cu (1) → 1

Canht 19

baos (1)

sp 8

ut ro (1)

Trs = 39

bhen (1) → 21 Thyeu

DE 225

bsgw <sup>1</sup> Chased by kuma p.s. 16

nawa (1)

kuma

cloo mat 11 subs?

2 doft ble

yusa

greu (1)

yoft 1

168

908

cd = m

kuma 1

cha 25

yowa <sup>1</sup> i

Canht = 20

ch  
Hw Otop (1)

sp 9

bsgw (1) → (ble

Trs = 31

mebl (1)

ccoo (1)

nawa <sup>1</sup> ble

bsgw (1) → 1

r bas imo

y wta

nawa moomy warble

baos <sup>1</sup> + ♀

rtat 11

bbfl 1

bhen (1)

~ flower <sup>p.s.</sup> 16  
of heliocarpus  
- thick  
branches  
~ seagrape  
also broto  
sub imo  
wata o  
like nawa only  
w/ grey neckless

169

922

Coti (1)

Sasa o'a 1 lig

brgw 2 " nt

mawa o'a " n

gawe (1)

amse 1

gija (11)

batl lig

wawa cof

soft (1)

cd m

cht 3

Canht 18

pa ble #Tsp 6

27

DE 230

P.S. 16

(170)

936

gija (10)

wawa 1

unhu 1, lek (11)

bhaer (11)

brgw 1 coat

cd = m

cht 2

Canht 13

#Tsp 5

25

DE 220

P.S. 16

(171)

batzid + c

949

Tewa 111 helooz flowering

wawa ble

dcfl (1)

bhaer (1) (1)

gfw (11)

rbps 1

brgw 1 helooz

rthm 1 ble

mawa (1)

wotth 1 a tent. spat

Rber Perot 1

2.13.92 Inga Coffee Pt Count

Batzibitwig East

Chator - Aschanka 738

East side of Rd

Tewa 111 Inga

(same)

dcfl 1

wawa 1

brgw 1

pteni 1

mawa 11 1/4

DE 25 P.S. 1/2

cd = m

cht 2.5

Canht 14

#Tsp 9

Tr 30

DE 170

P.S. 16

(172)

(173)

cd = m

cht 2.5

Canht 12

#Tsp 5

Tr 18



759 west side of road

cd-m

roha 1

cht 3

mehl (1)

Canht 13

wash (1)

~~#~~ Tsp 5

~~#~~ Tr 12

(174) p.s. 1/2

DE 30m

820 west side

(175)

cd h

bagu 10

cht 3

then ♂+♀

Shen

Can 14

bhen ♂+♀

~~#~~ Tsp 5

bagu 1 Sh

~~#~~ Tr 20

carb 1 ble

DE 25

bagu 10

p.s. 4

vitr ♂+♀ (1)

3

"LAS CANCHA"

chip-chip

es

bagu goriones  
mehl-sanates

838 west

bagu-pea-pap

roha 1

cd = 22

nawa 1 Sh

cht = m

tenoq 1 croto

Canht 10

anne ♀ croto

~~#~~ Tsp 4

bagu 1

~~#~~ Tr 16

bhen ♂+♀ 111

p.s. 3

wawa 1 ble

bagu 1 Inga

(176)

sofl

mawa 1

855 further west off road

(177)

cd = m

mehl 11

ghuo 111

cht 2

then 1 ble

plurt 11

Can 12

bhen 111

mawa ble

~~#~~ Tsp = 8

croto 1

wawa 1 Inga

~~#~~ Tr = 25

sofl (1)

DE 100

p.s. 3 }

911 even further west

Seta (1) 0<sup>2</sup> ad "traame"

gssa 1 ble CD=1

baya (11) Ch 1.5

baya 1 Can 13

cro (1) "traame" #1 sp 7

#1 522

DE 200

p.s. 43

2 black shouldered Kite over road

1506

22

Sunny clear 1000

215 MPO 724-1038

3 Cbta 8 15R 7/22 ble

unwashed 9 18L S

stfg h 19 12R 7/22

unwashed 5 15R S

scro 3 3 12R 3/22 ble

Cbta h 13 7L 10/15 ble

brque h 17 10L ble

stfg 18 8L

wawa 2.2 5R

3 Cbta 1.5 3R 9/15-12

spw h 1.9 20L

Gow h 2.8 10L

unwashed h 3.8 6R

unwashed h 4.3 17L

(P. maso 6.2 5L 3/10)

unwashed h 7.1 18L

stfg 5 15L 7/22



8/14 20L 8/16  
 8/16 6 5L 10/16  
 9/14 8R 7/15  
 10/9 20R  
 (2 Small tail 20R)  
 11/5 11L 5/12  
 11/3 15L  
 → listen to tape "similar"  
 to 2nd Ply. calls"  
 12/3 10L  
 13/1 3L 4/12  
 13/2 2R 4/13  
 14/3 1L 2/14  
 - call more of 1st 1st  
 15/5 10L 4/15  
 15/5 10L 4/15  
 16/1 10L 4/16  
 17/1 10L 4/17  
 18/1 10L 4/18  
 19/1 10L 4/19  
 20/1 10L 4/20

16/2 10R 4/16  
 17/4 7R 7/17  
 18/7 8R 8/18  
 19/7 15R 7/19  
 20/14 14R 6/20  
 21/12 12R  
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2-15-1 Spade 3 95  
 2-10-1 " 2 95  
 3-16-1 " 4 11/65  
 6-22-1 " 11

depth 2 wh  
 home 3  
 interest in 12 wh  
 Spade 4  
 home 3  
 Spade 5

Poppy - Spring

GPO 2/16/93 651-1615  
 left 5 0.2 17L 4/25  
 yena 1  
 cafe 5 15L 1/25  
 wawa 8 7/25  
 amle 3 4/7  
 wawa 9 2 5/10

all choro  
 2 wawa 1.3 15L stream  
 yena h " 13L 16/22 for  
 left .6 3L 10/10  
 amle 22 3L 0.5/0.55  
 wawa 1 12L 0/12 imp  
 wawa 3 1L 7/12 for  
 yena h .6 13L  
 3 left 1.8 2R 17/20 for  
 2 blank " 2R  
 yena h .7 18L 10/12 for  
 wawa 5 .7 18L 7/12 for  
 amle 2 2/12 for  
 wawa 2.8 16L 4/25 for  
 wawa 7 18L 4/12  
 yena 9 6L 9/11 ble  
 wawa " 18L 4/23 for  
 soft h " 4L 1/12  
 amle 3.3 10L 3/10



hannah	3.8	4L	5/25
maria	3.8	14L	7/25
baggy h	"	8L	10/25
baggy o m	3.8	20L	4/25
maria m	3.8	2R	3/25
baggy m	"	2L	"
anne in	"	2R	"
john	4.8	8L	7/25
2 bits	5.3	18L	3/25
baggy	"	"	"
left	5	3L	4/25
maria o	1.5	"	"
maria f	1.8	14L	4/25
maria	1.8	"	"
maria o u	2	2L	7/25
John h	6.1	7R	4/25
John s	"	5R	4/25
(All Or h)			

anne	2.2	7L	3/25
baggy	.5	16L	8/25
baggy	"	9L	5/25
maria o	.4	8L	4/25
Al o h	5	20L	9/25
maria o	.4	8L	4/25
baggy	"	"	"
maria o	"	"	"
rosp h	6	13L	5
2 ball h	8.1	15L	22/25
maria o A	.5	2L	10/25
maria f	.7	2L	6/25
John s	.8	1L	f
baggy h	9.2	13L	5
maria h	.7	13L	5/25
John	"	11L	9/25
left	"	"	"
John s	5	10L	9/25

wawa	7	12L	7/5
bawa h	6	"	"
wawa	9	14L	2/5
bawa h	8	10L	"
yawa	10.3	12L	9/15
glor h	6	14L	2/5
2x h	"	11L	3/5
wawa	8	9L	7/10
anna	11.2	20L	4/6
2x h	10.6	21L	9/10
bawa h	11.5	9L	10/10
bawa	3	20L	15/1
bawa	12.2	15L	7/10
wawa	"	5L	7/10
2x h	"	"	"
yawa	"	"	4/10
wawa	17.1	15L	4/15
royal	4	15L	1/3

Yawa	7.9	12L	4/7
wawa	12.7	12L	7/7
anna	"	"	"
lepl h	"	20L	"
wawa	8	13L	5/10
lepl	13.9	21L	2/7
2x h	"	"	1/2
wawa	"	"	0.5/7
bawa	8	3L	4/2
bawa h	4	20L	"
gosp h	13.7	20L	"
wawa h	14.2	15L	5/10
yawa	"	11L	7/15
2x h	4	2L	7/10
anna	8	13L	2/2
wawa h	5	13L	8/10
anna h	7	20L	"
plur h	6	5L	0.5/10



wawa ♂	9	171	5/12.5
yell	8.3	9L	6/12
"	.8	5L	7/9.5
rain s	5	8L	7/10
coye h	16.1	18L	
wawa ♂	.4	5L	2/4.5
yell h	17.5	12L	
left s	16.8	5L	7/13.5
wawa ♂	17.8	10R	3/15
bryl	17.5	13L	5/15.5
wawa h	17.1	10R	
anne ♂	12	2L	2/10
left s	19.5	7R	1/11
hawa h	18.2	10L	7/11
coye h	.5	9L	6/10
mati h	8.3	8L	7/11
wawa ♀	"	1L	3/10
blow s	"	1L	12/11

wawa h	13.9	12.6	5L
yawa h	19.3	8R	10/14.5
anne mo ♂	.5	11L	3/11
began h	.3	3L	7/15
bawa h	.7	7L	6/10.5
wawa ♂	"	"	"
wawa	"	"	"
718	LPO	Sunny warm	10/10
Haft h	0.3	4L	13/15 P
yawa h	2.1	10L	P
began h	2.3	10L	P
2 b h s h	2.9	18R	
Mawa h	3.5	16R	
Mati h	3.2	8L	
Hawa h	"	15L	
2 hwo	.8	20L	13/13 P
began h	4.4	14L	
began mo ♂	.3	12L	6/6 ACA

4 total  
Hemo →

Liwo	5.5	7R	7/12 ble
Tewa	8 ble	103R	9/12 ble
Ytwa	♂ P	4L	8/13P
10/5/73	btgw o a P	8L	6/70
	mgwa s	5.2	10R
	3 stat s	4.8	13R
	r barz P		3.2 9/12 ble
	bwadaf	4L	13R
	2 gwe	20L	
	sovi 0	4.8	9L 7/8
	anne ♀ 0	5.1	15L 6/7
	mana ♂	"	"
	wata ♂	2	3L 15/17P
	Ytvi ♀	"	9/17 3L
	deff s	.4	4R 8/13P
	grea h	.3	18L
	grea h	4.7	13R s
	bbfl	5.2	5L 29/13P
	2 wggw	"	3/6 0

obfl s	.3	8R	4/60
eatr	7.3	9R	5/15P
(y b fl)	30R		
lefl h	10.3	16L	
mgwa h			S
2 manwa h	11.5	19L	
btgw h s			7/80
stbw h	11.7	18L	S
2 wawa 100	12.2	2L	9/4 1/2 ble
mana ♀	12.3	8R	2/35
(grea h)			
Ytwa h	.5	8R	10/14P
(g c fl)			
wawa h	14.6	8L	S
grea s	15.3	4L	2/25
bggr h	16.1	2L	8/100
btgw o a P	.9	3L	5/20
" gmo 0	6/7	15.8	4L



Acwlo s	15.8	3L	
btgw f	"	3R	6/100A
r bar	17.5	8R	10/100P
manao	17.2	8R	4/76L
hem o s	17.5	7L	8/100
wwa h	18.2	9L	S
btgw h	19.2	2R	10/100P
left h	18.8	9L	
knwa s	19.8	14L	7/80

RUGS 12R

3x15 1/11	12 Homop	3 <sup>or</sup> wh	10
2x4 1		up mevas	
4x12 11	Calcop	3 blk	10
3x6 11	2 Spider	3 <sup>1/2</sup> blk	10
3x12 111	" "	wh	"
2x7 1	2 Homop	3 <sup>un</sup> blk	up
4x18 1	2 Spider	3 gr	10
1x4 1	" "	gray	10

4x16 1

4x6 1

3x70 1

1x5 1

5x12 11

1x8 11

1x3 1

Spider 5 gr 10

Homop 3 wh/brown 10

Spider 4 gr 10

8 m



② actualize black comp. after  
entering insects → claudis

① a. Systat for wk 13 <sup>GPO</sup> <sub>LPO</sub>  
(re-copy if probs)  
b. fix any mistakes  
c. copy to floppy

③ create backup floppy

④ Start a new floppy

→ up/ver. all of week 13 is on Red Floppy  
- insects included

just  
for  
GWA

Foggy → Sunny

MIL 725-925 2/21/93

GFWS 19.5 3R 5/5 ACA

SIQU S 2 1R gnd

- rusty eye brow

SIQU <sup>of</sup> Comb white (1) S 18.8 3R gnd

- white eye brows - same song

ve fl ♀ S 15.5 3R 3/5 ACA

brja h 13.1 15L 5/9 ACA

gcy o ♂ " " " "

lego o ♂ 10.5 12L circa

brja S 10.1 20R 2.5/1 con

~~bbp~~ " 9L 8S

3rgdo S 9.3 9R gnd

mo do S 8.4 20R gnd

<sup>cattle</sup> common egret S 7.2 10R "

bbg ♀ 6.8 4L "

rgdo S 5.2 8L "

~~g f g~~ 1.5 1R 1/1 con

3 caeq S 1.5 1R gnd  
ambe ♀ S 6.8 8R power line

2/23 MPO 725-1035 <sup>Sunny - warm</sup>

Begus S 19.8 9L 21/23P

Grja h 19.8 15R

Emto 19.8 13L 19/23P <sup>8/10</sup>

(Tinamou - 3 notes - " " " 3rd Tril)

Wawa h .6 17R S

Mgwa h 18.8 5L S 1/2

Wawa h .6 6R " "

Se wo S .6 18L 12/150

- squeaky femt call

He wa h 19.8 15L 18/25P

rbaz S 18.4 15R 8/11 Be

2 Night Thrushes 17.5 16R 9/20 Be

Wawa h " 18L 1/2 S

→ in hot. wren/less. for  
- also HeThs-weey



Btghw h	17.2	13R	
Mgwa	16.3	18L	0.5/1.5
wawa	15.7	5R	1/0.5
Mgwa	"	6R	1/5
3Btgha	.2	2L	9/120
Btghw Q	.4	14L	11/140
Mgwa	15.2	15L	0.5/1.5
Btghw ad	14.2	18L	10/200
Cotr h	11.5	6L	12/260
2 wawa h	.6	20L	1/2.5
wawa h lek	"	15R	
echu ♂	.4	3R	2/0.5
bregw h	.2	2L	12/220
2 gtmg	10.8	13L	4/8 min
2 check akhu from last time			
Mgwa h	8.3	5L	1/2.5
Bhen h	7.5	10L	22/23
Scwo h	6.8	8L	
- combined			

Towa o'ad 5.8  
~~Towa h~~ 6.2 18L P  
 (BBSO)

Mgwa h 4.5 12R 0.5/1.5  
 Btghw h 4.2 20R  
 Lbwah 2.5 13R  
 buor ♀ 1.5 3R 3/10 O  
 Cotr ♂ 1.8 20R 15/22 P  
 btghw ad 1.2 10R 4/9 O  
 record GAWA sitting of 2 hrs ago

2 in cage  
 Cotr ♀ 0.8 16R 2/5 P  
 Degen h 1.2 15R  
 Bhen h 8.6 14L  
 haff s 0.5 7R

Athia wk 12 → gtmg  
 for MPO

insect data from Claudia  
 system  
 final time for MPO  
 tape of buor call  
 w/ g h s p

Bugs 3R

1x41	Spider	5	wh	lo
3x7 1111	hemip	6	gr	lo
3x8 1	Arana	3	bl	lo
5x121	diptera	2	wh	lo
4x6 1	hemip	3	gr	"
4x8 HHT 1	"	4	"	"
1x5 1	"	3	"	"
<del>3x8 1</del>	coleop	2	br	"
1x711	lepid	4	wh	"
3x7 1	dipt.	2	blak	"
2x6111	hemip	40	br	"
2x5 1	leplavine	10	gr	"
2x10 1	arana	3	wh	"
1x3 1	"	4	wh	"

5M

13L

3x12 HHT HHT	Coleop	3	bk	lo
3x7 1	2 Hemip	4	gr	"
4x10 1	2 Spiders	5	wh	"
5x15 1	2 Hemip	5	"	"
4x12 1	2 Dipt	2	bl	"
5x15 11	Hemip	gr	3	"
3x8 1	Lep larvae	5	br	"
2x8 1	2 Hemip	3	wh	"
<del>2x8 1</del>	Spider	5	wh	"
4x10 1	2 Dipt.	2	wh	"
3x7 1	Oothep	7	br	"
3x10 1	Dipt	2	wh	"
4x15 1	Spider	4	yell/bk	"
4x8 1	Lep larva	5	br	"
3x9 1	Hemip	3	gr	"
2x5 1	2 Dipt	2	bl	"
<del>2x5 1</del>	2 Hem	4	gr	"
<del>2x5 1</del>	Spider	2	br	"



Fog → Sun, warm

704  
~~688~~ SAC 1020 2/24

~~2 gbsp~~

nowars 19.4 4R 9/5 stream

wt do h 18.9 5L 5 2/3

lego h .9 20L 3/3

(ybor)

spark tail hummer 8 7R 3/3

del h 17.6 8R

manah h 18.6 20L S

megwah h .2 18L 1/3

nowa 3 17.8 7R 2/3

rthm h .6 11R S

ufes h .5 20R 0.5/3

baan h .9 " "

plur h .2 " "

grea h 16.7 " "

oven h 17.2 15L 0.5/3

thor h 16.9 17R 2/25

manah h 17.4 11L 1/2  
(hummingbird moth!)

gbsp h .3 15R

megwah h .4 6R

(bwua call actually gbsp??)  
check stiles

maybe both have some calls

maroon chest gr dove 16.8 5L 2/3

flash of red <sup>nest</sup> bird dove among pattern

bluish appearance, tail long? cocked  
when walking

check stiles

2 Co Ki S 16.5 16R 2/2

plur h " 13R 0.5/2

ufes h " 11R "

megwah h .3 5R "

baan ♂ " 1L 2/3

oven h .4 3L 9/3

webl h .2 14R 9/2

rthecard ♂ 15.7 3R 2/3 cot

2 rusp	15.5	8R	0.5/3
2 gbsp h	15.8	8R	0.5/3
mgwa h	.3	7L	"
mana h	"	13L	1/3
plwr h	14.5	10R	5
coye h	13.8	2L	2/3
rgds	"	6L	"
mana h	4	10L	
mgwa h	6	6L	0.5/3
gbsp h	.1	9L	"
2 frem	2	11R	3/3
6 bobwhs	4	6L	8/3
mana h	13.8	11L	1/3
ytor h	13.8	15R	
lefl h	11.47	18R	
weri h	11.2	4L	
mgwa h	10.3	16R	0.5/4
mana h	1	15R	1/4
utdo s	9.8	7L	1/3

1 fl s	6.8	2R	2/4
mana h	"	20R	
lefl	6.2	15R	3/4
mana f	4.8	6L	2/4
utdo h	.6	20R	
mana h	.3	17R	
lefl h	3.6	5R	3/5
chase	"	"	"
rhaz			
plwr h	2.7	18L	
mgwa h	.4	7L	0.5/3
lefl h	.5	19R	
hosewo m	1.8	11L	2/6
2 plwr	"	18L	
lefl h	"	8R	
frem s	8	2L	1/3
5 squibbles			
spartd. hum	"		
lefl h	"	10L	
2 sbwr h	1.6	10R	1/4




rhu h 1.2 17R  
 mwa h .1 10L <sup>0.5/3</sup>  
 mwa h 0.9 8L <sup>2/5</sup>  
 gwp h 0.1 7L <sup>0.5/5</sup>

BUGS 3R → no vegetation  
 w/m desired ht range  
 leaves fallen

13L

2x5 III Dist 2 wh d  
 6x12 I Homop 3 gr "  
 5x15 III Spider 4 di "  
 1x6 III Homop 3 " "  
 3x8 III III  
 6x17 I  
 1x5 I  
 2x5 II  
 1x4 I

10 m  


lots of scrubby or velvety leaves  
which never has insects

2/25 2/25 250 11 8L & 17/20 ble

2/25 250 11 8L & 17/20 ble  
 1000 rhooz → 1000

2/10/93 745 15.1 f 5.01 5/23  
 2/8/93 <sup>mpe</sup> 740 <sup>oak</sup> 11.5 m 12.01 7/20

ACTUALIZE

750 COF 2/25 Sunny 1110

mwa h 19.7 20R <sup>0.5/1</sup> s

(lots ripa activity)

bqgw f .5 7R 16/17 ble

bqgw h. song <sup>mm</sup> 13L

sutaf 19.3 13L 16/20 ble

lsgw <sup>ad</sup> " " 13/20 "

plum 18.9 16R <sup>0.5/1</sup> s

yben h .2 5R 23/23 burs

mwa h 17.6 18L

mwa h .5 5R

gwa .2 8R } 12/ble

ccwo " " 18

mwa h 16.8 19R <sup>0.5/1</sup> s

yfen s	17.2	13R	2 1/2 ble
r/pa s	16.26	1L	16/16 ble
amre h	16.42	8L	10/11 hli
boja	15.8	11R	8/8 hli
2 dc f/s	.5	20R	16/18 ble
plum	"	"	0.5/1.5 s
urwah	.3	16R	
2 Tewa s	14.9	20L	
2 Bqwi	"	"	13/17 fruit
csua s	"	"	ble
urwar	/	/	
mawa	.6	1R	2/2 cof
gbsph	"	10R	0.5/1.5
yfagss	"	5R	2/4 cof
urwa	.6	18R	s
howa h	15.3	7R	s
amre h	.1	9L	3/6 ble
urwa	.6	5R	2/4 cof

2 gcah	14.2	18R	
urwa h	13.7	10L	1/2 s
plum h	13.3	20R	
bqws	12.8	1L	4/9 ble
boja h	.6	7L	
roha s	13.3	17R	8/19 ble
shur h	.4	18L	
urwah	12.8	10R	s
3 cewa			
urwa	12.1	1L	2 1/2 <sup>fruit</sup> ble
3 gbsph			
mawa	.5	13L	2/3 cof
boja h	.1	5R	
urwa	"	15R	17/20 ble
urwa h	10.8	19L	s
urwa	"	5R	9/14 ble
urwa s	.4	8R	8/13 M
urwa	.2	15L	7/11 ble



brayn oad 9.6 13R 12/16 ble

3 sp wo ~ 15 15L

depl h .3 18R

3 yhen 8.9 11R 15/15 ble

3 rlpas .5 16L 12/17

social fly n 10L 10/17

mana h .7 16R 5

2 pler h 7.8 12L 0.5/15

1 epl h 5.5 3R

gbsp h .7 15L

nawa s .7 16L 2/35

2 roha .7 12L 15/20

b hemo 3 4R 8/12 ble

yten n 15L

mgwa h 4.9 19R

mwag n

grepe n 20R 8/11

2 Teua n 3/6 ble

wavi ophvi - lots of white behind eye - no yellow

wadde s 4.8 6L 8/0

lro s 7L 7/8 ble

obfhs 4.6 6L 9/15 ble

depl 4.9 13L 9/16 ble

2 soft 4.2 5R 9/13 ble

lora 3.5 17L

bggn s .7 17R 9/12 ble

rlpas .2 2R 8/13 ble

2 mbuh 2.8 18R

nawa kas 2 18L 5/6 ble

~ call : ~ soft mgwa

whgsh 1.8 20L 0.5/15

depl h .5 19R

brayn h 0.8 2R

gcwa 1.7 8L 7/20 ble

2 rabu h 1.1 6L

mwag 5R 5/7

wiwa h 0.9 19L 5

- Ask Hector if he's sure re  
cof microhabitat
- ? change following sites from  
rus → inga  
cerba  
conc? (sibaka)

~~area~~

toni → check tomorrow

- do changes
- do query in ACALO CORCAC  
for inga & rustic

note which flock #

of flocks and that flock #

- Query the flock #s for inga  
& create file

do same for rustic

do systat on both - same  
analysis as transects i.e. Res & Miglot

- Print out noting <sup>total</sup> # of flocks  
and # of rustic inga flocks
- Make sure all changed  
data is actualized in  
Computers & all disks  
(including backups)

INGA FLOCKS 2/26/93 P/O Savannah  
habitat

714

after Tonina

begin & begin A

2 cpl 0

left

113

FS-5

PT-20

over 0

mywa S

A/O/other

btsa 0

yofl A

85 5 10

begin

newa <sup>7</sup>rel  
thr 0

8 8 8

newa 0 A

yten 0 0

howr S

Elev 3150

wewi ple

plur S

sofl 0



(114)

755 - 825  
 2 btgn ♂ P, im ♂ A, ♀ P<sup>ble</sup> ~~♂ P~~ ♀ A  
 sori P, sori h  
 buma ♀ P, im ♂ P P/O/A - other  
 heta ♀ P 85 10 5  
 sota ♀ P 15 4 4  
 2 eabl P  
 btgn ♂ O  
 Hema ♂ P, ♀, no black "P"  
 2 bgn O, P  
 left P FS 15  
 mewa ♀ O FT 30  
 gwa P elev 3180  
 2 gwa P  
 msp S  
 left O  
 2 bwa P  
 rba P chered gwa  
 ywa ♂ P  
 2 in h

Quexil

what is not getting recorded  
 is amount of time spent  
 in habitats that are not possibly  
 not suitable for mud. sp. flock  
 habitat. Nor are we recording  
 any vegetation variables for such  
 inadequate habitats (e.g. at least  
 90 cover). All this would be  
 to compare suitability statistically

(115)

834  
 67 gwa ♂ ad  
 " ♂ ad O  
 " ♀ P  
 (4) ~  
 Sori O  
 heta ♂ & ♀ P  
 very open  
 IT 10  
 FS 60  
 P/O & A  
 13 10 5  
 30 5  
 elev 3410





(121)

1020

FS 20

Wawa ♂ A

FT= 15

(3) bawo ♂ ad A, P, ?  
Zbksi P

Elev 3375

01/01A

wawa

50 40 10

ybfl ♂

8 20 9

bawa mo ♂

lbwa P

HeTa ♂ + ♀

GFO Fog → Sun warm

708 - 1025

yawa h mo ♂ 0.1 10L 20/23/14

ybfl s 0.2 13L 14/73

ybfl h " 14L 23/23

wawa mo ♂ s 0.6 8L 7/8/14

wawa ♀ s 0.5 13L 3/8 "

bawa ♂ 0.7 7L 7/8 "

coye h 0.9 13L 0.5/1 s

wawa ♂ 0.8 32 20/22/12

wawa h 1.2 17L g

wawa so ♂ -6 19L 16/23/12

bawo s -2 8R 8/17 "

Loava s 2.1 11L

↳ brilliant <sup>sub</sup> eye line; brownish below, clear white area on throat, legs ~~reddish~~

gnaw s -1 16L f

yawa h -3 16L 10/10/14

bawo ♂ ad -5 1R 20/11 3L

wawa ♂ ad -5 15L 9/14/12

bawo h " 2R

hafi? .9 4L 5/20/12

↳ tail long & notched - grayish band

yellow stomach

Trk on ybfl - call like ybfl 6 5L 8/9/14

bawo ♂ ad -9 15L 8/10/14

ybfl h 3.1 32 7/8/12

wawa " 8R 6/15/12

bawo h " 9/15/14

yawa ♂ + ♀ -2 " 8/9/14

lbwa h	.2	2L	10/23	h
rt h	.2	"	"	23
btgw	.4	10L	10/12	h
gawo h	"	2L	9/23	h
plwa mo	.3	6L	8/23	"
nawa s	.4	12L	9	
lowa s	.8	32	9	
yopl h	.7	18L	21	
depl s	"	20L	5	h
mawa o	.6	8L	6	
kmwa o	.8	17L	4	
yewa s	4.2	7L	8/9	h
yopl s	"	8L	"	"
mawa o	"	7L	"	"
Leabl nest on tree hole	.7	4L	12/10	h
2 mati s	"	"	"	"
2opl s	"	"	"	"
gtwo s	"	5L	18/10	h

kmwa	.8	2L		
yewa	3/8	Inga		
mawa	5.4	18L	8/11	h
	"	"	"	"
				chased by yewa
yopl	.8	8R	10/25	h
nawa s	.8	4L	5/25	h
lowa h	.4	10L		
lbwa h	.7	12R	12/25	h
kmwa s	.6	1/3L	6/10	h
oro o	.8	16L	2/10	h
vitro	.8	"	10/10	h
rt h s	.8	16L	2/5	
btgw	.8	19L	5/12	h
mawa o	"	"	"	"
	.9	"	"	"
yewa	6/18	9R	1/17	h
kmwa	.9	9R	7/10	
yewa	.7	"	7/17	h





lefl s	6.7	8L	8/10 Dage
bsqwh	.6	5L	7/10 "
2mawa	7.5	4L, 16L	5/8 Dage 8/9 Aca
cofe ♂	.4	3L	7/8 blo
mawo ♂	8.3	5L	7/13 blo
howa ♂	.4	15L	7/4 s
ugwa s	.6	"	1/2 um
roha	.6	12L	15/5
wawa ♂	.5	15L	3/10 blo
2 qtwo h	8.3	6L	
yten h	.6	8L	
mawa h	.5	6L	4/5 s
biga ♂ ad	.8	14L	15/18 blo
coye " "	10.2	13L	8/5
rbgr ♂?	.5	5L	8/10 Dage
grea h	.6	13L	1/2
ybch "	.6	"	1/4 s
rbsp	10.7	"	

uwa h	11.2	6L	
gmau ♀	"	76L	12/21 blo
bura ♀	.8	10L	7/12 Dage
mawo ♂	12.4	16L	8/12 Dage
Sqcu s	13.2	13L	14/22 Fre
brija h	.6	16L	
ugwa s	.6	3L	1/2 um
bygm h	"	18L	
lefl h	14.2	5L	3/11 Dage
wawa	.2	11L	9/14 mis
2 rthru s	.1	6L	6/6 with
amre ♀	15.9	5L	7/10 blo
coye h	"	20L	6/5/29 s
lefl h	16.2	4L	1/6 um
rthru h	15.9	3L	
wawa h ad	16.2	4L	3/6 um
howa h	15.7	18L	
coye ♂	16.2	4L	4/8 um

yofl 16.2 1L 5/6 vrn  
 bogas ♂ 0.4 2L 9/5 wrl  
 mawa ♀ 17.5 17L 9/10 inga  
 wawa ♂ 18.2 4L 4/10 inga  
 left h 17.9 1L 3/10 rega  
 pggm h 18.3 10L  
 amue s 18.1 16L 6/9 inga  
 nowa s " " 14/1  
 left h 19.3 7L 5/5 mis  
 yewa ♂ 1.3 3R 9/12 h  
 mawa h 1.6 17L  
~~gbyph 1.6 6L~~

→ change bwa records!  
 708-1802 <sup>8/65 Son</sup> <sup>newly</sup> grazed

3/2 wac 708-1802  
 wags h 0.2 8L 0.5/2 s  
 2 soft s " 18L 3/3  
<sup>boan</sup> ~~beta~~ ♂ 6.3 4R 3/4 ACA  
 2 plwr " 7R 0.5/4 s

add with to list

gca 0.7 2R 2/3 s  
 2 soft " 5R 3/3 s  
 rthm 0.8 1R 1/3  
 bogas s 0.7 9L 2/3  
 gca h 1.3 8R 1/3  
 // why no gca in SAC??  
 - do a query - how many this <sup>far</sup>  
 gca s 5 16L 3/7 ACA  
 2 " 7 13L 8/4  
 soft h 2.2 10L  
 ybch h 1.8 7R s 1/3  
 2 bpi 2.6 6R 9/9 ACA  
 mawa h 5 5L 1/2 s  
~~sota~~ <sup>mawa</sup> ♂ 2 20R  
 sota ♂ 5 9R 2/9 ACA  
 " 15L 1/3  
 baar ♂ 6 4 3/8  
 g/sa h 4 17L s



ybeh s 2.8 12L 2/3  
 chase ~~manawa~~ 2.9 16L 3/3  
 gsa s 2.8 20L 0.5/1  
 manawa 3.2 1R 1/8 AKA  
~~beft~~ shh 3 20L 6/7 "  
 mywa h 4 " 1/2  
 coyee 7L 9  
 urbs s 5.2 20L 1/2  
 gsa 5.2 16L 2/3  
 rbgs 3.4 16L 3/8  
 bura 5 " 9/9  
 manah 6 20R 1/2 s  
 2 stat h 4.5 18L 5 1/3  
 manawa 3 13L 3/2 AKA  
 2 mebl h 2 20L AKA  
 amre 5 " " 8/9 "  
 manawa 3.7 1R 7/8  
 2 ysa h 4.2 20L s  
 mywa h 1 16L 1/2 s

manawa 9.4 13L 8/9 AKA  
 beft h 2 7L 6/9 "  
 coyee h 3 18L  
 beys h 4 17R AKA  
 manawa 5 3L 8/9  
 ylw 5 9L 8/9 AKA  
 no chases  
 same 6 2L 7/9  
 2 wbs 12L 2/3 s  
 gsa 8 1L 3/4  
 over s 7 2L 9  
 bura 5.3 8L 2/8  
 mywa " " 0.0/1  
 manawa 4.8 8R 3/3 s  
 " 5.3 7L 7/8  
 depl s 2 13L "  
 left s 6 9L 3/8  
 over 5 " 2/7

query 1, m. h. clear my sp flock  
to see what's needed

anne f	.5	2L	$\frac{6}{7}$
rosp h s	.4	2L	$\frac{0.5}{1.5}$
mywa h	6.2	9L	$\frac{0.5}{1}$
dry spell - lack of understory ??			
4 mebl	9.5	12R	$\frac{2}{3}$ ACA
grs h	10.1	20L	$\frac{8}{8}$
glavos	10.6	20L	$\frac{7}{8}$
lefl s	10.8	11L	$\frac{7}{8}$
dmbe f	"	10R	$\frac{17}{18}$
maama f	12.3	13L	$\frac{5}{7}$ ACA
" f	.6	"	$\frac{6}{7}$ "
kuwa f	.9	2L	$\frac{6}{7}$ $\frac{5}{8}$ "
mywa h	.6	15L	$\frac{0.5}{1}$
gbsp h	.8	18L	"
mywa h	13.2	15R	"
anne f	"	20R	$\frac{3}{6}$ AC
2 mebl s	.5	8R	$\frac{8}{0.5}$

lefl	.7	22R	$\frac{4}{7}$
2 rrat	.2	20R	s
cepe	12.8	8L	$\frac{0.5}{2}$
kuwa f	14.3	9L	$\frac{3}{8}$
lefl s	13.9	18L	$\frac{6}{7}$
BTGW's ??? BAGN ???			
WMA ???			

wach	14.5	20R	$\frac{1}{2}$ s
gbsp s	"	3R	$\frac{0.5}{1}$
lefl s	15.1	7L	$\frac{2}{8}$
wevi s	.2	3L	$\frac{7}{8}$
lefl s	14.8	14R	$\frac{2}{2}$
ybch s	.7	16R	$\frac{4}{7}$
" h	.9	20R	$\frac{1}{2}$ s
maama f	15.4	2L	$\frac{6}{8}$
mywa s	"	22R	$\frac{1}{2}$
lefl s	.5	18R	$\frac{2}{2}$

→ same sp as "wit" of yesterday?  
10 distance long - "wit" - tail 10 ga



not a lot of birds up  
in Aca. canopy

juv h	.5	13L	7/8
coy h	.7	18R	0.5/2
man o	16.2	8R	7/2
amre	17.3	3R	0.5/1
coy s	16.9	3R	0.5/0.5

lots amount of cutting  
bet. 17-20

juv h	17.7	16L	
left s	.5	16R	1/8
man o	18.2	17L	4/8
coy h	.7	9L	0.5/1
blw s	.7	4R	1/2 d/1 foray
baan	19.9	13R	0.5/1
man o	.4	4L	3/5 AC
amre	.4	"	"
bggn h	.5	6L	
left h	19.9	5L	1/2
man s	.8	7L	1/6 AC
grea s	.9	6L	3/6 "

Heater - edit systat work in wk 14  
change wtd  
E - enter wtd sp. flock data

Exclosures - Acaeda #4 <sup>Control</sup> ~~Exp~~ 3/2/98

Orthop 6 br

Coleop 5 br

Lepid 10 gr

Orthop 4 br

Spider 2 rd.

~~38 gr~~  
56.5 gr

<sup>II</sup> Experiment

Spider 3 y/

Dipt 4 br

" 3 gray

38 gr

3/3 PSA Sunny/warm 706

b+gw s

bggn

lego in

3 baer

2 buor

2 f's

dece  
leaf  
foray

4

6

9 2.5 MR

Oak

patchy black  
on head.

orange body

on underparts

/10

Veg sampling - record elevation  
 defm. 2 ♀ baor's  
 Suta in mod same loc. Chased baor 9/10  
 defl s " " 18/10  
 2 acwo 3.1 17L 12/15 P  
 defl 3.1 19R 11/12 ♂  
 cabl s " " 12/12 ♂  
 wing h 3.5 17R 0 6/7  
 yfqs h 4.3 11L 1/1 grs  
 rbarz 5.4 1R 4/12 0  
 magna 6.9 9L 1/3 s  
 magna ♀ 6.7 8L 2/3 pip  
 defl s .8 0.0 4/12 0  
 5.9 13L 1/3 s  
 fem ♂ 7.8 5L 3/4 s  
 puf h 7.5 18L 0.5/1  
 Meta ♂+♀ 9.1 2L 9/9 0  
 2 Hana s 8.8 15R 9/5  
 2 acwo 10.4 16L 12/18 P  
 btgw in 16.3 3R 8/11 P

Skip Pond.  
 Don Blunt  
 Jane Barner

82 + Silvia  
 folks in D.F.

btgw 17.3 7R 6/8 P  
 defl s .8 20R ACA 2/5  
 bger .8 5L 8/14 P  
 hewa h 18.8 9L 1/16 P  
 ACWO s 19.3 2L 8/10 P  
 nsp s .7 20R grs  
 btgw ♂ .8 7L 8/15 P  
 2 " " im .7 6R 8/12 P  
 hewa ♂ ad .8 9R 9/12 P  
 " " " .5 7L 6/9 P  
 Meta ♂ .6 5R 1/10 P  
 ♀ baor or baor <sup>yellow-throat, under tail white belly</sup> .7 9R 1/12 P  
 934  
 Bugs SAC 48  
 3x9 4/11/11/11  
 4x13 1/1  
 2x8 1  
 3x3 1  
 3x8 1  
 Caterp 4 4/6 10  
 Spider 3 8/1 "  
 " " gr "  
 Homop 3 wk "  
 3x8 1



852-864

2x31 Spider 4 wh lb  
4x811 Horn 6 gr/br st

2x61

5x101

3x61

1x3 111

As of 3/3/93:

Flocks on:

Low = 52

Mid = 46

High = 23

System changes to make re

Barwa → 9/6 SP LPO 8,550

Co P = 12 SAC 9,614

QPO = 4 397 OACI-10 4,359

693 4,420

998 4,447

919

1373

woody shrubs  
exp. 16-18 R)

herbaceous shrubs

SAC - WAC differences

green 20/622 48 140-62

mgwa 977798 143 119 162

wwa 69 8669 45 41 46 1554

oven 54 123 17 130

Exclusives 17 BXP 3/4/93

Horn 3 wh

11 Coleopt 2 1/1

11 Horn 3 blk

25 Eggs 1 mm ea

dipt 2 gray

Spider 1/1 5

Horn 3 gr

11 Coleopt 2 br

Spider 3 br

Horn 2 2 gr

11 Spider 2

Horn 3 br

Spider 1/1 2

Horn 2 blk

Spider 7 gr

11 8

Spider 2 blk

131.4

22 JAN.

JUST FOR INFO

redo  
at wk  
the  
one  
there

Med Plocks 3/5/93  
Altitude

750

(125)

abund P 85 40  
2 Scura P 85 45  
heta P ELUV 4170  
2 bhsi P P/O  
3 rbar O nest in oak 65 35  
rps P 15 8  
graw P  
acw P  
2 r s thick-  
gaw P  
bqwa S  
inhu O  
bbar  
ccro  
bbso  
lisp  
2 ybot P  
Stygod O, & S  
2 mawa S  
Phar S

SLOPE E  
roha  
mawa S  
mawa imo O  
dell  
bygn  
hows S  
ybel - with thin belly  
gray breast  
red bill  
no eye ring  
wept  
(hupl)

VBG SAMPLING FOR RSA - 70 coverage

Song of Pictus

(hupl)

PT 30

PS 15

(126)

847

ELUV 4160

bqwa imo O, & ble O/P

song of songing 65 35

hawa O P 9 20

2 mawa S unta O

2 Scura P 2 rps S

rbar O

mawa S

well developed

2 bhsi O

ble shir layer

rbar imo S

2 dell ble

diversity function

lisp S

of ble vegetation

mawa S

& presence of

wehu O

distinct stratum

mawa

- 70 coverage as

blum O

another variable

ccw O



15:30

Loss

Locator # for flight

My transaction #

Feet's arrival coinciding w/ our S. Camp

Hiz arrival coinciding w/ more mid-flight

truck regst  
misplaced

3/6 Mod Sp. Plocks Quesal

Dove Song ~ ~ ~ bow-wow-wow

bow-wow

- Sometimes ~~there~~ a third shorter note. Very clear; a/t recorder

- two calling to each other

Cock's King Song - like a high warbley rbps

735

(133)

FT 15

Sovi P

PS 25

bggn P, O

ELEV 3350

mana A

O 1 P 1 A

mana O A

85 10 5

bggn O

8 18 3

mana P O

Savannah type unk

heta O

Slope S

zeabl O

depl A

815

Savannah (134)

Slope S

bggn O

2 B O O O

rbar O

chase

2 Ac W O P

2 bggn O

mana O songing

bggn P

mana O

bggn

O 1 P

alt 3275

95

5

FT 15

9

22

FS 20





2-3R

Tg 5

Ss 10

Ms 5

T2g 10

T2g 70

T.P. 15

SP 5

L

10

65

15

10

T.O. 30

3-4R

B.g. 5

Sg 5

Tg 25

Ss 25

Ms 30

Ts 5

T2g 5

T.O. 15

3-4L

5

5

10

35

20

Ts 10

T2g 15

T.O. 50

TP 15

SP 5

4-5R

B.g. 5

Tg 10

Ss 30

Ms 25

Ts 105

T2g 105

T.O. 50

T.P. 25

L

5

10

55

10

10

10

30

10

5-6R

Sg 5

Tg 25

Ss 50

Ms 10

Ts 5

T2g 5

T.O. 40

TP 10

5-6L

30

60

10

10

20

6-7R

Tg 20  
Ss 65

Ms 5

Ts 10

TO 25

TP 25

L

30  
50

10

10

55

20

7-8R

Ss 70

Tg 30

TO 20

TP 40

L

60

25

Ms 5

Ts 10

TO 35

TP 15

8-9R

Ss 70

Tg 20

Ts 10

TP 45

TO 10

8-9L

65

15

10

10

10

Ms 10

9-10R

Ss 55

Tg 15

Ms 10

Ts 20

TO 45

TP 35

L

70

20

5

5

30

60

10-11R

Tg 20 90 80

Ss 35

Ms 25

Ts 20

L

25

50

15

10

70 70



11-12 R

L

Bg 5

Ss 30

Tg 10

Ms 20

Ts 35

TO 75

30

15

30

25

70

12-13 R

L

Ss 40

Tg 15

Ms 30

Ts 15

75

40

10

25

25

TO 65

TP 25

13-14 R

L

Ss 55

Tg 15

Ms 20

Ts 10

SP 15  
10 50

Ss 65

Tg 15

15

5

TP 10  
TO 55

14-15 R

L

Ss 70

Tg 20

Ms 10

TO 40

SP 20

Same

TO 65

15-16 R

L

Sg 10

Tg 50

Ss 30

Ms 10

TO 60

5

20

50

15

Ts 5

TO 30 SP 10

16-17 R

L

Ss 55

Tg 20

Ms 15

Ts 10

TP 25 TO 55

Same

TP 20 TO 70

17-18 R

L

Ss 5  
Ss 40

35 25

Tg 25

10

Ms 15

35

Ts 15

30

TP 25 TP 5

TO 75 TP 10

18-19 R

L

Ss 55

65

Tg 25

25

Ms 10

5

Ts 10

5

TO 50  
TP 10

TO 80

19-20 R

L

Ss 40

60

Tg 15

20

Ms 15

10

Ts 20

10

Tg 10

TP 50

TO 35

TP 35

actualize - Floclac, Flocomp expirsec

- Re ~~copy~~ MPO into floppy  
and actualize black MPO

- Re do system MPO 14 R

- should no longer have "unk"

TRANSACTION # 0684198

3/10 SAC Clardy 718

19.9 10R 6 Nawa 1/2

Bigwim .8 11R 2/3

amre 11 9L 1/3

nawa 10R "



mgwa h	18.8	7L	1/3
spth h	19.2	5L	3/3
oven h	18.9	9L	0.5/3
Li hermit!	.9	1R	2/3
hem ♂ & ♀	.6	5R	1/3
2 in bu h	17.9	15R	
wlgs h	18.1	10R	0.5/3
gbsp h	"	"	"
manwa h	18.9	11R	2/3
amre & s	17.8	1R	2/3
lego h	.7	18R	2/2
spwr h	.7	"	1/2
wt do h	16.8	15R	
weta ♀ s	17.6	20R	2/3
meg d	bluish long tail .3	0.0.	1/3 bluish
gbsp h	.1	14R	0.5/2.5
high, weak thrush-song - 2-note			
song 1st intro + short, 2nd fluty			
- migratory thrush? or oven			

2 plwr	16.8	7R	1/2
grea s	"	19R	2/2
brsq wood	.8	10L	2/3 1st larvae
glosph	.7	19R	1/2 s
sqen s	"	7R	2/3
plch h	"	12R	1/2
befl h	15.6	9R	2/3
mgwa h	14.8	4L	2/3
glosph	-.3	5R	
brsq wood	-.3	11L	2/3
manwa ♀	-.1	6L	2/2
mgwa h	13.7	5L	
manwa h	12.8	2L	2/3
mgwa h	.8	10L	0.5/4
"	10.8	4R	"
zrtat	11.1	20R	1/4
oven h	10.9	15R	9/9
♂ manwa	10.2	8R	1/3

hem & s	9.8	7R	$\frac{2}{3}$
ngwa h	<del>5.3</del>	9L	
phor h	5	16R	$0.5\frac{1}{3}$
Bepl 15 h	2	5R	$\frac{2}{4}$
Begwot	8.9	4L	$\frac{3}{4}$ cro
ngwa h	1	19R	
left s	7.2	14R	$\frac{2}{4}$
manah	6.8	8R	$\frac{2}{4}$
ngwah	7.1	16R	$\frac{1}{4}$
akwe h	6.6	11R	$\frac{3}{4}$
left h	4.1	6L	$\frac{3}{4}$
phor	4.5	7R	$0.5\frac{1}{4}$
manah	4.4	2L	$\frac{2}{4}$
"	5	2R	$0.5\frac{1}{3}$
ngwa	5	7L	$0.5\frac{1}{4}$
"	2	1R	$\frac{1}{4}$
gbsp	1	10R	$0.5\frac{1}{4}$
begwot	"	4R	$\frac{1}{4}$

manah & s	1	8L	$\frac{3}{4}$
left h	3.4	14L	$\frac{2}{4}$
rshu s	"	2R	$\frac{3}{3}$ yf
manah	2.6	9L	$\frac{3}{4}$
2 bopl	1.3	7L	$\frac{3}{4}$ cro
over	0.8	6R	$0.5\frac{1}{4}$
utwah	0.5	4L	
ngwah	0.3	11R	
ccro	0.3	15R	
rbsp	0.4	17R	$0.5\frac{1}{2}$
rshu h	0.4	7R	
724			
Sweet warblers			

- song of ngwa, wawa

actualize black comp veg soup



Bugs 5R

6x8 HT

3x8 11

5x10 1

4x8 11

1x5 1

2x8 1

3x6x10 1

4x10 11

2x6 11

4x12 11

3x9 1

5x12 1

2x4 1

4x8 1

711 Homop wh/rd 4 10

Spider y/ 5 "

Orthop gr 8 10

Spider wh 5 10

Homop gr 3 "

11 Spider gr 4 "

111 Coleop gr 3 "

Spider gray 3 "

Homop gr/or 4 5

Homop larv or 6 10

Homop wh 4 10

25 m

15L

3x8 HT HT HT

1x5 HT HT HT

3x12 11

6x14 1

2x2 1

3x4 1

6x12 1

4x15 1

also a very short melodic

3111 LPO

sbw h

11/11 plw? - resident night? h  
wren? thrush?  
ngwa h ngwa song?

2plw 5

btgw ad

bgw h

shw h

whw h

grw h

ngwa h

Homop wh 3 10

Spider br 3 "

Homop gr 5 "

Spider gr 8 "

9 m

intro wh; ascending whistle; (vib; final coo)

708 Fog -> Sun

19.7 12R 0.5/1.5

2012 0

19L 0.5/2.5

13L 0.5/2.5

14L 6/12 0

8R

16L

8L

20R c

wawa h	16.5	9L	
ybeh h	17.4	15L	S
bbfl s	.4	7L	$\frac{8}{8}$
2rtat	.2	0.0	phong over them
2brja h	16.8	5R	
hawa s	.8	15L	$\frac{7}{13}P$
plur h	.2	10L	S
mawa o	.4	20R	$\frac{2}{7}O$
nywa h	15.9	13L	$0.5\frac{1}{2}$
2mati s	.4	20L	$\frac{16}{17}P$
maweh	.2	17L	$\frac{2}{4}S$
rtat h <sup>2paw</sup>	14.5	10L	S
2plch h	13.5?	15R	
sbur h	14.8	9L	$0.5\frac{1}{2}$
gowa h	.5	8R	$\frac{7}{10}P$
2mawa o	.4	20L	$\frac{3}{3}S$
loki h	13.2	8L	
nywa h	"	8R	$0.5\frac{1}{1}$

4rtat h	13.8	18R	S
sovi s	.9	6L	$\frac{8}{18}P$
bogw o	.7	16R	$\frac{8}{20}O$
"	.1	18R	$\frac{10}{16}P$
2mawa s	.3	7R	$\frac{2}{2}S$
stem o	13.1	2L	$\frac{2}{2}$
sqen s	12.4	8L	$\frac{5}{7}Cecrop$
bogw o	.6	13L	$\frac{8}{10}O$
nywa h	.1	18L	S
(Cost)			
mawa h	.1	16L	S
obfl s	11.5	14L	$\frac{5}{8}S$
mawa h	11.4	19L	S
bogw o	10.1	10L	$\frac{10}{17}P$
mawa f	9.7	3L	$\frac{9}{15}S$
gowa h	.3	18L	
(ybf)			
roha s	7.5	17L	$\frac{7}{15}P$



growa  
plus 2

ingwa

rthua s	8.6	2L	
mama h	7.6	18R	
growah	4	20R	
bayu o'a	6.9	2R	8/20P
" ?	2	2L	8/10 Aca
uado h	3	15R	
ingwa h	5.8	20R	25/2
Zobfl s	4.4	6R	7/80
bsaguh		20R	
bluuu	7R	3/5 in	
mama o'a	"	3/80	
buuua o'a	8R	4/80	4.2
over h	17R		
zrtat h	"	0.5/2s	
roha h	1.8	15L	
bsaguh	1.8	19L	
hewa so	.9	15L	11/15P
buuua o'a	.8	9L	5/70

1003

BUGS 15L

3x5 IIII	Homop 3 br up
3x16 IIII	Spider 6 gr d
2x4 IIII	" 5 wh d
1x3 IIII	Orthrop (Mont) 32 gr u
4x16 II	Spider 5 gr d
3x9 II	Homop 2 br d
1x5 I	2 Snail 23 br d
2x3 I	Spider 3 gray d
2x6 I	14m

7540 ft

MYO FLOCKS (14)  
(Brocreper)

WINDY DAY

3/12/92 2 Sun Cnst  
to: Rock search, record  
only time spent in P/O

111 Hema P, 012 Tawad P, 012, 1110(3)

11 Savid d hui	Sh Jay	Chupidonap
olwa		chest narrow
thet		is gray; yell
11 cawa P, 0	11 uawa	red in stripe on
11 r. fwa 0, P	toft	chest, gray head
gale	unhu	"uhst" notch tail
deeper		"Yong" no eye ring
than left		

GOODIST  
 53  
 ORIENT 248  
 FT 45  
 FS 40  
 - mostly thru  
 solid pine

P/O  
 70 30  
 18 12

sanamah

grape scur P  
 " banana P, P P  
 flock covered much area staying  
 put in marshab's w/ sign Oak

(ye judge)

Hector - 2 more Anasa  
 coron. coron.

1000 (151)  
 3 blue P  
 2 Anasa ble  
 2 He Ro ble  
 3 Un Jay O  
 Ph warbler M  
 - sweet high  
 warble

FT 15  
 FS 50  
 Elev. 8400  
 8000  
 of Hector  
 P/O/M open scrub  
 55 40 5 North  
 15 10

(Mo Tr)

1155  
 P/O sanmah

11 Clusa O  
 2 GC <sup>sari</sup> ~~light~~ ble, O  
 Scur P  
 3 Tow O  
 Sw Thr gnd  
 Tufi  
 half

50 50  
 22 18 - tall  
 Oakes  
 elev 7580

(152)  
 grape P  
 hana P  
 rhu O  
 Mo Tr O  
 hana P

3/13 Mas adelante  
 (Clark Sparrow?)



cold, cloudy day

891

(153)

Wawa P

P / 0 / 1A

Tawa H O

25 25

Tawa ad P

20 30

T. H P

25 15  
B

Grle P

FT = 15

Wawa P

FS = 60

Un Ja P

Elev 7650

N

916

(154)

Wawa P

N

T. H P

FT 5

Wawa P

FS 15

Grle

Elev 7675

~~Wawa P~~

P / 0 / 1B

2.5 f. l. h. P M

55 35 10

Wawa O

20 17 7

RC RO

919

(155)

P / 0 / M

Wawa Hle

25 10 10

2.5 f. l. Hle

60 20 20  
B

2 Kero M

Elev 7675

3 Tawa O O, II O, O

FT 15

Grle

FS 25

2.5 f. l. P

N

Hawa P

Haf P Hle

g + h a f O

Wawa P

10010

(156)

Hawa P

2 Br Cr P

P / 0 / b

Tawa P P

Mahum. P P

9055

3 Ye Ja P

Haf P

1886

Wawa P

FT 15

Grle P

FS 40

Elev 7625

(157)

1100  
 4/6 Newa 20 ad  
 4 Towad 30 1/4

Cura  
 Sori /  
 3 ~~blue~~ f  
 1st 1 R  
 How 1/2 close  
 2 grape P  
 1/2 blue ble/s  
 1/2 vi P  
 1/2 warb P  
 5 olive warb P  
 - check call + song 2 warb

Emp. ~ ~ when 2 if so, change  
 same as b4 all bleed recs

AT 25  
 FS 5  
 4/15. 5/15  
 P 10  
 80 20  
 18 9  
 N

CHANGES SIGN TO 1000

3/15 PSA sunny, cool 705  
 4/8 Ca Eq s 1.1 2L 9/18 P  
 Sori s 3.1 20R 2/100  
 Mywah 3.7 20R 05/1 s  
 ~ ~ ~  
 2 Rusp  
 4 15R 8/13 P  
 4 15R ~ ~  
 2 Bblg s 4.3 6L 05/1 grs  
 3 Bja s 5.4 15L 9/21 P  
 2 Rusp s 1.2 12L 05/1 s  
 10 fls 5.8 13L 05/1 s  
 6 Cobo 5.5 3R grs  
 1st h 5 10R  
 Beta s + f 6.8 5R 8/90  
 b + g w f 5/90  
 grape s 2.6 2R 9/100  
 2 B h si 6.8 5R  
 5.9 9R 2/80



kurva s	<del>68</del>	4L	7/90
gowa h	7.2	3L	16/180
2 detektor	8.3	9L	0 1/8
deft h	8.8	20L	0
unai s	-	14R	2/100
sard s	9.2	14L	2/90
bagian	-	-	6/90
yopl h	8.8	20L	0
bagian	9.1	6L	9/90
2 nsp s	11.8	2L	9/5
bagian	16.5	2R	7/15

908

<sup>16</sup> 800 +	<sup>15</sup> 250 +	<sup>14</sup> 700 +	<sup>13</sup> 650 +, 8, 10
790 +	40 +	690 +	40 +
80 +	30 +, 7, 8, 12, 14	80 +	30 +
70 -	20 +	70 +, 12, 15	70 +, 8, 11
60 +	10 +	60 +	10 +, 4, 10, 11
<sup>2</sup> 600 +, 9, 12	<sup>11</sup> 550 +	<sup>10</sup> 550 +	<sup>9</sup> 450 +, 4, 8, 9
590 +	40 +	490 +	40 +, 4, 15
80 +	30 +	70 +, 8	30 +, 7
70 +, 7	20 +	70 -	20 +, 2, 8
60 +, <sup>3</sup> 11	10 +	60 +	10 0.5

1000h +, 12    <sup>19</sup>950 +, 10, 13    <sup>18</sup>900 +    <sup>17</sup>850 +, 3, 4, 8, 9

990L +, 7, 11    40 +, 12    890 +    40 +

980R +, 10    30 +    80 +, 9, 10, 12    30 +, 7

970L +    20 +    70 +    20 +, 9, 12

960R +, 5, 10    10 +    60 0.5    10 +, 7

<sup>8</sup>400 +, 2, 3, 5, 15    <sup>7</sup>350 +, 7, 8    <sup>6</sup>300 +, 4, 5, 6    <sup>5</sup>250 +, 1, 5, 7, 10

390 +, 11    40 +, 8, 9    290 +, 13    40 1, 5

80 +, 3    30 +    80 +    30 0.5

70 0.5    20 0.5    70 <sup>0.5</sup>6, 10    20 +, 10

60 +    10 1.0    60 +, 8, 9    10 1, 8, 10, 12

<sup>4</sup> 200 + 4	<sup>3</sup> <del>150</del> + 7	<sup>2</sup> 100 +	<sup>1</sup> 50 + 3, 6
190 1.0	40 + 10	90 + 13	40 + 6
80 1.0	30 +	80 +	30 +
20 1, 9, 10	20 + 5, 8	70 +	20 + 8, 11, 12
10 +	10 + 1, 2, 4	60 +	10 + 1, 9, 11

20's of  $S_g/T_g$  depend on grading

19-20 R

$S_g$  70

$T_g$  30

$TP$  25

L

95

5

$TP$  60

18-19 R

$S_g$  5

$S_g$  80

$S_s$  5

$M_s$  5

$T_g$  5

$TP$  25

L

-

95

$TP$  25

17-18 R

L

$S_g$  95

97

$S_s$  5

3

$TP$  40

$TP$  30

16-17 R

L

$S_g$  100

100

$TP$  30

$TP$  35

15-16 R

L

$S_g$  97

90

$S_s$  3

10

$TP$  5

$TP$  5

14-15 R

L

$S_g$  65

$S_g$  85

$T_g$  35

5

$TP$  25  
10 10

$S_s$  5  
15.5 - 50  
 $TP$  10



13-14R

Sg 90  
Tg 5  
ss 5

TO 5  
TP 10

L

85  
5

TS 10  
TP 10

12-13R

Sg 80  
Tg 20

TP 30  
TO 5

L

70  
30

TP 40  
TO 5

11-12R

Sg 95  
Tg 5

MS 5  
TO 10  
TP 15

L

90  
10

TS 15  
TP 25

10-11R

Sg 95  
Tg 5

TP 15  
TS 5  
TO 5

64  
L  
Now  
~~After~~

85 60  
Bg 15 5  
ss 5 35  
TP 5

9-10R

Bg 10

Sg 85 45  
ss 5 50

TO 25

ER

Bg 15  
Sg 80 50  
ss 5 50

TO 25

8-9R

Sg 80  
Tg 10

ss 10  
TO 15

L

25  
50

75 75  
TO 75  
TP 5

7-8R

Sg 50  
Tg 45  
Ss 5

TO 5

L

60

30

10

TS 5  
TO 10  
TP 20

6-7R

Sg ~~35~~ 40  
Tg ~~55~~ 50  
Ss 10

TO 15

L

40

35

10

Ms 10

Bg 5

TO 30 TP 10

5-6R

Sg 60  
Tg 80  
Ss 10

TO 25

L

40

40

TO 50  
SS 10

Ms 10  
TS 10

4-5R

Sg 80  
Tg 15  
Ss 5

TO 35  
TP 5

L

10

80

10

TO 5

TP 30

3-4R

Sg 15  
Tg 65  
Ss 10  
Ms 5

TS 5  
TO 25

L

10

80

5

Bg 5

TP 30

B

2-3R

Sg 25  
Tg 75  
Ss 5  
TO 15

TP 10

L

35

65

Ms 5 TO 15  
TS 5 TP 15



1-2 R L

Sg. 75 75

Tg 25 20

TO 20  
TP 20

SS 5  
TP 15  
TO 5

0-1 R L

Sg 65 80

Tg 35 15

TO 10  
TP 10

SS 5  
TS 5 TO 20  
TP 10

MILPA VEGETATION

0-5 old stalks cut/grazed to low density

5-10.5 " " completely cut - week 8

10-13 was tall grass 64 wk 9 → moved to short

13-15.5 always short although has been mowed

011 52 ~~300~~ 967-30532 Rosauco

" " 30189-FAX

Scheduling - Home, Weekends

First Aid Certificate

My Status

- Red Cross

- Mary Hitchcock

Moeloc

Plocomp

Sharon + veget

PSA

veg camp

MIL 3/16

700

Reg → Sun

3 gtgrs 4.5 5L

(Cage - breeding phony)

amke 3 8.8 18R 19/1 em

- only 1 em stalk standing

gtgr 5 10.1 20R 9nd

3 cage 10.5 " "

2 " 12.2 17R 9nd

same " 20R "

grca 15.5 16R 2/6 ble

anne o' a dany & very intensely  
dilper veg. cont'd

15.5 - 16.5 OHR → away / corn  
10.20R → corn

19.5-20 + lgr.

left s 15.5 1R  $\frac{3}{6}$  aca  
cape had 17.5 3R  $\frac{0.5}{2}$  lgr  
(gr blue huan)

phvi 19.5 6R  $\frac{4}{5}$  aca

yellow under tail cov.

cape h 19.2 9L  $\frac{0.5}{1}$  lgr

832

notes on veg camp. of 92-93

- Sshr + Tgr work together  
in MPO (other toe?). Based on  
rough 3:1 <sup>sshr</sup> / <sup>eyeball</sup> Tlgr ratio as  
estimated from in the field.

- The Percor + Percancor  
interaction: some fudge factors  
involved

Siqu → coko weeks: 1, 5, 11  
66 <sup>u</sup> 140 <sup>u</sup> 314



in other words, when ~~comp~~ <sup>I was</sup> ~~not~~ <sup>had</sup> to save e.g. GPO 1m, comp. didn't ~~ask~~ <sup>ask</sup> me file already existed.

only  
~~not~~ have for GPO 1m, r  
 GPO 4 m, r  
~~COF 12 m;~~  
 LPO 2, m, r  
 WAC 1-10 m, r

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55

Locator

Fax

Film

Post Office  
 School

~~Fax~~ Shop

Field Work

Andubon Call

Landlords - Toilet

lecho cont

- Check bytes on GCWA DBT
- Can't add records to GCWA file
- My system b/w wa → gb sp <sup>changes</sup>
- <sup>new edit</sup> files I created weren't written over old ones

Len fax received?

M+Dora - Grandpop / Peter's / let me know

(changed some pictures to ygas)

Russ - call - ask delegation

Nissan registration

Get data via Jan?

when coming any word on Peter

San Cristobal 3/10 - 3/12

MPO news

- chilon permit - no reg sampling

Enclosures

- no abb.

- Act diff.

- scale ms. patches

Araceli visit

No blow in Acach.

GPO still good

mid. sp flock - ble patch in routine

- xoff, memo, final. trees

- Andubon job - leaving earlier

- Did he like the FAX

in other words, when ~~comp~~<sup>I was</sup> ~~not~~ to save e.g. GPO 1m, comp. didn't ~~ask me~~ tell me file already existed.

only  
~~not~~ have for GPO 10m, r

GPO 4 m, r

~~COF 12 m;~~

LPO 2m, r

WAC 1-10m, r

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55

Locator

Fax

- WANT A WEEK SUMMARY  
- can do it via G-P.O. if  
he wants

- Sam Cristobal  
arrive aft. of 10th - 12th  
- fax us transaction #  
- if you want to bring  
down a lot of money or  
send us another \$50.  
if I could get reimbursed  
for some of my own  
ff. what is the money  
sent away?

Redo cont

- Check bytes on GCWA DBT

- Can't add records to GCWA file

- My systat bwwa → gbsp <sup>changes</sup>

- <sup>new edited</sup> files I created weren't  
written over old ones

Len Ray received?

M2Dad - Grandpop (Peter's) let me  
know

Changed some rusties to ygas

Explain vista of different land uses  
& how international econ. markets  
should create incentives  
for Enga cof.

spare time

Photos of  
Plantations

water  
beer  
pan

Clay cassette  
photocopy



- use wac
- query weeks 1-10 "wac 1-10"
- query weeks ~~1-9~~ 11-13 "wac 11-"
- create new file wac2

Ocolist

P+92

~~Exp~~

Acaom ✓

Acaloc ✓

cof com ✓

cof loc ✓

Flocloc ✓

Flocomp ✓

Gcom ✓

Gfocom

Gfoloc

Russ

Tick-off

# situation

new birds

Carmen status

Ear plugs

Heating up

other data

Books in Penex Rd

B+blue - Heeta

- Border-line inga cof

that takes on a

← mature forest appearance (cf Sibaka)

GLOBAT STUFF. Might be a combo

of Rustic/Inga but it's not P/D <sup>creator</sup> <sup>for sure</sup> <sup>Peamed</sup>

Russ

- more disks - for wac back-up

- earplugs

- another computer

WAC 11-X QBO

WAC 11-X QBG

Redo

- WAC in different directory because we wanted to save original WAC data just in case it was desired.

- created separate WAC file because too many bytes for one floppy. For esp, split up WAC into

WAC 1-10, & WAC 11-X

- Only created backup for non WAC files because lacked discs.

Why so many bytes in WAC DBT ??  
for both computers



12/24  
11/11  
11/13

11/14  
11/15  
11/16  
11/17  
11/18  
12/10  
12/16  
12/17  
12/19

Croton sp. Euphorbiaceae

- long white stamens

Heliconia sp. - reddish flowers

→ Thaceae

(Balsa → Crotom)

- Bombacaceae

long

①



